Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 137
Number 4

JANUARY 22, 1940

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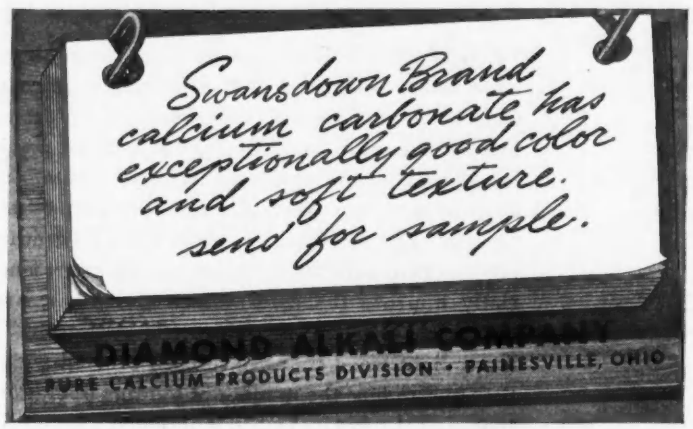
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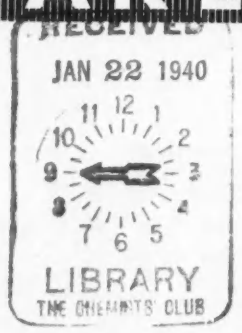

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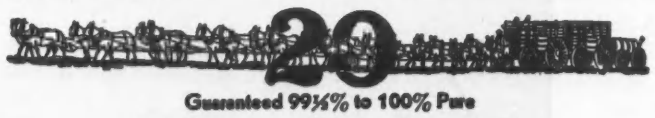

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Because it is a solvent for Indigosols, Rapidogens, and cellulose acetate dyes, "Cellosolve" solvent is used in dye pastes and with certain vat dyes to help prevent spotty dyeing or printing.

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Volume 137 | January 22, 1940 | Number 4

Industrial Cooperation Plan Suggested

OPD Washington Bureau
January 18, 1940

A study of the cartel system of industrial cooperation, with particular emphasis on the history of the copper industry in the United States, was made this week by the Temporary National Economic Committee.

The study opened with a report by Dr. Theodore J. Kreps, economic consultant of TNEC, which reviewed the growth and structure of the cartel movement in Europe. He particularly mentioned the German chemical combine, Imperial Chemical Industries, of Great Britain, and the International Dyestuffs Cartel. He drew no particular conclusions as to the applicability of the cartel system to American industry but showed the universal tendency of business men to attempt to regulate competition.

Turning to the American copper industry, TNEC heard several witnesses describe the history of that industry, its corporate structure, impact of com-

—Continued on page 30A

F.T.C. to Investigate Distribution Costs

OPD Washington Bureau
January 18, 1940

The appropriation for the Federal Trade Commission for the fiscal year ending June 30, 1941, carried in the independent offices appropriation bill now pending in the house, is $2,300,000, the amount recommended in the budget, but $24,000 less than the current appropriation. The commission expects to absorb the decrease by not filling vacancies and by other economies.

Two new general investigations are contemplated by the Federal Trade Commission, and the sum of $150,000 is allowed in the bill for this purpose. One of these is on methods and costs of distribution, estimated to use $88,829, and the other will be a study of industrial corporation financial reports at a cost of $61,171. Before the end of the present fiscal year the commission expects to complete and make reports on its current investigations of resale price-maintenance and cost accounting methods.

—Continued on page 33

Fusion-Weld Tankcars Authorized by I.C.C.

OPD Washington Bureau
January 18, 1940

In three decisions affecting the tankcar transportation of explosives and dangerous articles, the Interstate Commerce Commission has granted authority for construction of 111 fusion-welded tankcars for experimental service and authorized use of fusion-welded tanks of special design and construction for transportation of commercial butane.

Under one decision the General American Transportation Corporation and the American Car & Foundry Company were granted permission to construct and use experimentally seventy-five tankcars conforming to current I.C.C. shipping container specifications, except that the tanks will be fabricated by fusion welding instead of riveting or forge welding. Of these, fifty will be of specification 103 type for caustic soda solution, and twenty-five of specification 105A300 type for petroleum products.

In a second decision the American Car & Foundry Company and E. I. duPont de Nemours & Co. received permission to construct and use experimentally in transportation of vari-

—Continued on page 30A

Price Stabilization Asked in U.S. Buying

OPD Washington Bureau
January 16, 1940

A bill to require Federal agencies to abide by resale price maintenance agreements in making purchases was introduced today by Senator Claude Pepper of Florida (S. 3121).

The bill would require that no agency of the United States might contract for or purchase any article or material in any State at a rate lower than the minimum rate established therefor under the fair trade or similar law of such State.

Tariff Board Reports Trade Pact Effects

OPD Washington Bureau
January 17, 1940

The United States Tariff Commission has completed a tabulation of the statistics of the total exports and total imports of the United States in the trade with the principal countries with which trade agreements were made prior to January 1, 1937. For each country comparison is made between the trade of a period of at least two years preceding the date when

—Continued on page 31

Consumer Standards Bill to Get Hearing

OPD Washington Bureau
January 18, 1940

The house committee on interstate and foreign commerce has scheduled hearings beginning January 23 on the bill (H.R. 6652) introduced last June by Representative Lyle H. Boren of Oklahoma to establish public standards of quality for consumer goods.

The bill authorizes the Secretary of Commerce, through the Bureau of Standards, to establish and publish standards of quality for consumer goods, excepting foods, drugs, cosmetics, and other articles for which federal standards are now provided by law, when in his judgment such standards are in the public interest. Standards would not be compulsory, but manufacturers could label their goods to show compliance with the Federal standards and grades.

S.O.C.M.A. Files Protest Against Tariff Bargaining

Hearings on extension of the tariff bargain, or trade agreement, act beyond its expiration date, June 12, have been in progress for several days in Congress. So far the witnesses have been proponents of the Hull plan.

The Synthetic Organic Chemical Manufacturers Association is not favorable to tariff bargaining. It has submitted to Chairman Doughton of the house ways and means committee a brief containing the following proposals with respect to the tariff bargain act:—

1. That the act known as section 350, amending the tariff act of 1930, be not renewed.
2. That no further reductions in duty be made without Senate ratification.
3. That as to reductions already made in existing trade agreements, the effectiveness of the flexible provision in section 336 of the tariff act of 1930 be restored (Flexibility is more needed now than ever before in order to meet quickly new conditions as they arise. The trade agreement act nullifies flexibility as to items mentioned in the agreements by specifically forbidding use of section 336.)
4. That the so-called "escape clauses" in existing agreements be made operative wherever the eventualities, described in the agreements, have arisen.
5. Begin studies immediately leading to the development of a system of scientific tariff making which will avoid the weaknesses of the old log-rolling methods as well as those of the reciprocal trade agreements.

Briefly set forth, the Synthetic Organic Chemical Manufacturers Association submits the following among other reasons for its proposals on this legislation:—

The duties on many products of the industry have been reduced in the trade agreements already made. Germany, the natural competitor of the domestic industry, was debarred from participation by her discriminations against our commerce. Wars and rumors of wars everywhere together with Japan's preoccupation with the Chinese incident have obscured from view the tremendous latent power for harm concealed in these agreements.

Had the rates already reduced been given free play, there certainly would

—Continued on page 34

Tax Plans Remain In Proposal Stage

OPD Washington Bureau
January 17, 1940

Additional excise taxes of various sorts are being loosely considered by members of Congress as a means of raising the $460,000,000 additional tax revenue requested by President Roosevelt in his budget for the 1941 fiscal year.

Mentioned frequently are an increase in the Federal gasoline tax and excise taxes on soft drinks and other products, other than necessities, not now taxed, but it is not felt that any such will be adopted because of the President's request that additional taxes be of the sort that are based on ability to pay and do not curtail consumer buying power. Instead, talk is turning to the proposal for a surcharge of a certain percentage on income tax payments computed in the normal way. With corporation and personal income taxes estimated to yield $2,300,000,000 during the next fiscal year, such a surcharge would have to be 20 percent if the entire additional amount is to be raised in one year, or 10 per cent if spread over two years. Congress appears reluctant to impose such a tax, and there is a possibility that appropriations may be reduced sufficiently to avoid the necessity for additional taxes. National defense expenditures particularly may be shaved considerably.

Consideration of a new tax measure will not be undertaken by the house committee on ways and means until some time later in the Spring, when current business activity and the March 15 income tax payments give a better estimate of tax yields during

—Continued on page 33

Lead in Cosmetic Pigments Not Officially Proscribed

OPD Washington Bureau
January 17, 1940

Difficulties encountered by cosmetic manufacturers in attempting to obtain titanium dioxide or a substitute pigment free from lead are considered by officials of the Food and Drug Administration as something of a tempest in a teapot.

Because of a provision in the new food, drug, and cosmetic act that a cosmetic will be deemed to be adulterated if it contains any poisonous or deleterious substance which may render it injurious to users, many cosmetic manufacturers have written the Food and Drug Administration asking if the presence of lead as an impurity in commercial titanium dioxide is objectionable because of the possibility of lead poisoning to the user. The administration has refused to set any tolerance for lead either in ingredients of a cosmetic or in a finished cosmetic on the ground that there is not sufficient scientific evidence to determine the amount of lead absorption by the skin.

Views on Tolerances

In answer to one specific inquiry, the administration stated that lead to the amount of 200 parts per million in titanium dioxide would appear to be so great as to lead to the possibility that the cosmetic might be deemed to contain a deleterious substance. In answer to another inquiry the administration stated that the tolerance of 20 parts per million for lead established for coaltar colors for external drug and cosmetic use would appear to be sufficiently low to permit the use of titanium dioxide in a cosmetic.

These letters should not, however, be construed as official tolerances, and the position of the administration is that the question of adulteration hinges

—Continued on page 52

Tung Oil Projects Hampered by Frosts

OPD Washington Bureau
January 17, 1940

The future of tung oil production in the United States apparently deponds upon the development of a late-flowering strain of tung tree which meets other requirements as to high yield of oil and ability to grow properly in the climate of Southern States. The Bureau of Plant Industry of the Department of Agriculture is working intensively to develop such a strain.

During the past several years the tung crop in the South has been damaged by late Spring frosts occurring while the tung trees were in blossom, and last year the bulk of the crop was destroyed by three particularly cold nights in the last week of February. The trees themselves survive these cold spells without injury, but the blossoms are destroyed thereby making it impossible for the fruit to set. Frosts occurring after the fruit is set apparently cause no damage.

To get around this difficulty, the Bureau of Plant Industry has surveyed all commercial tung orchards which suffered frost damage last Spring and has found a considerable number of isolated trees which did not bloom until after the danger of frost in the localities where they were grown. It is hoped that these individual trees, or some of them, may have a natural idiosyncracy for late blooming and that this characteristic may be passed on through succeeding generations. Buds are being taken from these trees for grafting on other stock, but it will be at least two or three years before there will be an indication as to whether or not this experiment will result in a late-blooming strain of an otherwise satisfactory tung tree. It is possible that the late-blooming characteristic of the

—Continued on page 40

Closing Markets

London Closing Cable

LONDON, Jan. 19, 1940

Quotations on sulphate of ammonia were £9 per ton for 20.6 percent material.

Bergamot Oil Rise Extended

The advance in prices on bergamot oil was extended late last week when quotations reached $4.25 to $4.50 per pound. Petitgrain was also higher at $1.50 to $1.60.

Tin Salts Decline

Further fractional declines were recorded in various tin salts late in the week. Anhydrous tetrachloride of tin was off ¼c. at 23¼c. per pound; tin crystals and anhydrous stannous chloride were ½c. lower at 36c. and 44½c. per pound, respectively. Straits metal was quoted at 46c. per pound.

Cottonseed Oil Steady

Refined cottonseed oil futures were quiet on Friday. Offerings were light and the market had a steady tone, price changes being narrow. Final quotations were 10 to 12 points above the closing prices of the previous Friday, May ending at 7.11c. and July 7.22c. Southern markets for crude oil and other cottonseed products were quiet and steady.

Copper Price Tone Easy

No further change occurred in domestic copper late in the week, however, the tone of the market was easier. Primary producers adhered to the 12½c. per pound level, while a few small producers and one large custom smelter retained the 12¼c. per pound price. Scrap copper was reduced another ¼c. to the equivalent of 12c. per pound, while outside market was 12c. to 12.10c. per pound for spot and 11⅞c. for April delivery. Export copper was quoted around 12c. to 12¼c. per pound, with demand light.

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Fertilizer Rationing.—Artificial fertilizers in any form, but not including lime, may not be purchased, sold, delivered or kept in stock except under certain prescribed conditions, in Netherlands. The general trade in fertilizers is restricted to firms or individuals registered with the Fertilizer Bureau.

Oils and Fats:—United Kingdom has made subject to license imports of oils, fats and greases, except butter, lard, and foot oils, derived wholly from animals other than marine animals.

Olive Oil:—Export licenses are required in Tunisia for exports of olive oil, peanut oil, perfumery and soap.

Palestine Imports:—The importation of an extensive list of products into Palestine was made subject to import licenses. All principal articles imported from the United States are included on the list of products made subject to import license, and American exporters are advised that Palestine importers should obtain import licenses before requesting that merchandise be shipped.

Paprika:—A monopoly on the importation and exportation of paprika has been granted to a joint buying and selling organization which is to be established in Pressburg by the Slovakian paprika mills and the importers and exporters of paprika.

Parcel Post:—Parcel post shipments to Bolivia valued at $37.50 or less are exempt from the requirements of a consular invoice but require a commercial invoice legalized by a Bolivian consulate, which may be sent separately to the addressee or forwarded with the parcel or parcels. It is understood that commercial invoices relating to shipments valued at less than $5 will be stamped free of charge with the Bolivian consular seal. Invoices covering shipments valued at $5 and up to $37.50 will be certified with a special seal and will have affixed Bolivian consular stamps in the amount of 4.00 bolivianos.

Pharmaceuticals:—France has removed the export restrictions on empty pharmaceutical capsules; medicinal adhesive plaster, and certain dental products.

Chemical Price Level Held

Price changes were numerous on both sides in the markets for heavy and fine chemicals last week. The net influence of the changes did not affect the general average. Metal groups were on the lower side; tartrates were higher.

The volume of new business did not expand but held well ahead of the corresponding 1939 period. Activities in major consuming industries continued encouraging in respect of the outlook. Considerable reselling for export was done.

Prices were advanced on tartaric acid, cream of tartar, rochelle salt, seidlitz mixture, perchlorate of ammonia, strontium carbonate, sulphonated castor oil, gum rosin, and gum turpentine.

Prices were reduced on electrolytic copper, Straits tin, stannous chloride, tin crystals, tetrachloride of tin, quicksilver, strontium chloride, domestic and imported casein, cellulose acetate and triacetate, chalk-resisting titanium dioxide pigment, imported egg albumen and yolk, high-grade dried blood at Chicago, Japanese sardine meal, nitrogenous fertilizer stuff, and feeding tankage.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at its high point of 128.2 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 90.7, compared with 88.9 at this time last year and 89.8 in 1938.

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A.P.M.A. to Discuss Sales, Advertising

The sales and advertising committee of the American Pharmaceutical Manufacturers Association will hold regional meetings of sales and advertising executives of its member firms February 10 in the Palmer house, Chicago, and March 2 in the Hotel Pennsylvania, New York.

Arrangements for representation at these meetings are being made by the chairman of the committee, B. F. Ascher, of George A. Breon & Co., Kansas City, Mo. J. Howell Healy, vice-chairman, will preside at the New York meeting. The discussions on advertising will be directed by

—*Continued on page* 48

R.E. Gaylord Heads Sales For Rumford Chem. Co.

Raymond E. Gaylord has been appointed general salesmanager for the Rumford Chemical Works. Mr. Gaylord will make his headquarters in Rumford, R. I., where the company's plant is located.

Educated in the schools of La Grange, Ill., Mr. Gaylord graduated from Iowa State University in 1918. After winning a lieutenancy in the

R. E. Gaylord

World War, he went with Armour & Co. in Chicago as an industrial engineer. Resigning that position, he went to William H. Nicholls & Co., Chicago food brokers, as sales correspondent. In 1923 he became district sales manager for the Sun-Maid Raisin Growers Association, Indianapolis.

In 1928 he joined the Cream of Wheat Corporation as central division manager in Chicago. With this organization eleven years, he was named a vice-president of the company, and later placed in charge of sales and advertising, with headquarters in New York.

Business Advisory Council Elects W. Batt Chairman

OPD Washington Bureau
January 17, 1940

The Business Advisory Council of the Department of Commerce today elected William L. Batt, president of the SKF Industries, Philadelphia, to be its chairman for 1940. He succeeds W. A. Harriman, chairman of Union Pacific Railroad Company, and partner of Brown Brothers, Harriman & Company, council chairman for the past three years. Mr. Harriman will remain on the council as a member of the executive committee.

Re-elected as vice-chairmen, were M. B. Folsom, treasurer of the Eastman Kodak Company, Rochester, and Clarence Francis, president of the General Foods Corporation, New York. Two new vice-chairmen elected were:—Harvey Couch, president of the Arkansas Power & Light Company, Pine Bluff, Arkansas, and John D. Biggers, president of the Libbey-Owens-Ford Glass Company, Toledo. Mr. Biggers and Mr. Couch succeed William L. Clayton, of Anderson, Clayton & Co., Houston, Texas; and Mr. Batt.

U.S.P. Convention Will Open May 14

The decennial convention on the United States Pharmacopeia will be opened in Washington May 14. Headquarters and sessions will be in the Hotel Willard.

A series of simultaneous scientific conferences will be held in the Willard May 13, at 2:00 p.m. and 8:00 p.m. These will be public conferences sponsored by the pharmacopeial subcommittees and advisory boards, and will be open to all interested persons in addition to the members of the U.S.P. revision committee and delegates to the 1940 pharmacopeial convention.

Conferences thus far suggested have to do with the following matters:—

U.S.P. scope and nomenclature.
Biological assays.
Botany and pharmacognosy.
Proximate assays.
Inorganic and organic chemicals and reagents.
Volatile oils.
Pharmaceutical—extracts, fluidextracts, and tinctures.
Pharmaceuticals — waters, solutions, spirits, syrups, elixirs, and miscellaneous galenicals.
Ointments and cerates.
Vitamins.
Surgical and sterile products.
Packaging and preservation of U.S.P. products.

Those who desire to take part in any of the programs are asked to confer with the various chairmen listed in the pharmacopeia, or with the general chairman of the committee of revision, E. Fullerton Cook, Forty-third street and Woodland avenue, Philadelphia, indicating the subjects they wish to present. Titles should be sent in not later than March 15, so that detailed programs may be announced before the convention.

Forest Utilization Study Concluded

OPD Washington Bureau
January 18, 1940

Hearings were concluded this week by the joint congressional committee investigating forestry, and a report will be prepared which is required to be submitted to Congress by April 1.

The joint senate and house committee, headed by Senator John H. Bankhead, of Alabama, was created two years ago at the request of President Roosevelt. It has visited all important lumber-producing regions of the United States and has held hearings in eight cities. The investigation is of a general nature and has included such subjects as economics of forest products industries, lumbering practices, reforestration, selective cutting, taxation of forest lands, fire protection, flood control, market research, administration of national forests, naval stores, and forest by-products industries.

The principal witness at the hearings this week was Secretary of Agriculture Henry A. Wallace, who stressed the broad social and economic aspects of a continuing forest industry and its relationship to soil conservation and rural life. He declared that the national policy should be based on greater conservation and that forests should be treated as a crop rather than a mine.

Privately owned forest land, the

—*Continued on page 30A*

Phila. Drug Exchange Meets Jan. 23 and 25

The Philadelphia Drug Exchange will hold its annual meeting in a luncheon session January 23. It will have its annual banquet January 25 at 7:00 p.m. in the Bellevue-Stratford hotel.

After the routine procedure of the annual banquet the exchange will be addressed by E. L. Brendlinger, its president; Hugh Craig, of the Oil, Paint and Drug Reporter, whose topic will be "What Can We Do to Be Saved"; and Franklin Spencer Edmonds, member of the Pennsylvania senate, who will speak on "Citizenship."

The charge for the banquet will be $5; six for $25. Dress will be formal. Reservations are being attended to by R. G. Anderson, 1649 North Broad street.

Stream Pollution Ban Proposed

OPD Washington Bureau
January 17, 1940

A new bill (H.R. 7971) to make it a Federal offense to pollute navigable waters was introduced today by Representative Karl E. Mundt of South Dakota. The bill is similar in most respects to legislation which has been pending in Congress for several years but which has been rejected on several occasions.

A stream-pollution control bill providing only for Federal cooperation with States, pollution surveys, and grants in aid for the elimination of pollution from navigable waters, and containing no penalties or prohibitions, was passed by the senate last session and has been favorably reported by the house committee on interstate and foreign commerce. It is planned to call the bill up for consideration by the house early in February.

Phosphate Study Extension Asked

OPD Washington Bureau
January 18, 1940

A resolution to extend for another year the life of the joint congressional committee to investigate phosphate resources in the United States has been introduced in Congress by Senator Claude Pepper of Florida and Representative J. Hardin Peterson of Florida, chairman and vice-chairman of the committee.

The committee filed a brief report in which it said that, owing to the special session of Congress last Fall, it was unable to carry out its proposed program of field investigations and hearings and that it would be desirable to extend the investigation to January 15, 1941.

The committee was created two years ago and made an investigation and report on phosphate reserves in the United States, but last year its life was extended and it was directed to study potash deposits and other related fertilizer minerals. During the past year the committee accumulated considerable data on the extent of potash deposits, the prospect of other deposits, and the utilization of potash sands, and also assembled information from government agencies relating to the fertilizer value of manganese.

Glazing Practices Stopped by F.T.C.

Three glass corporations, a national labor union, a district union, and a local union, and several officials of the glass corporations and the unions, are respondents in an order of the Federal Trade Commission prohibiting certain practices found by the commission to have had a dangerous tendency to hinder and prevent competition in the glazing contracting business in the Indianapolis trade area.

The respondents are the Pittsburgh Plate Glass Company, Pittsburgh, and Philip G. King, manager of its Indianapolis branch, and H. B. Higgins, its vice-president; the Stewart-Carey Glass Company, Indianapolis, and J. Morris Haines, its secretary and general manager; the Capitol Glass Company, Indianapolis, and W. J. Byrne, its president, and Robert W. Byrne, its vice-president; the Brotherhood of Painters, Decorators and Paper Hangers of America, LaFayette, Ind., and L. P. Lindelof, its general president, and Clarence E. Swick, its general secretary; District Council No. 27 of the Brotherhood of Painters, Decorators and Paper Hangers of America,

—*Continued on page 40*

F.W.D.A. to Meet Feb. 6

The Federal Wholesale Druggists Association will hold its midyear meeting February 6 to 8 in the Hotel Roosevelt, this city. A particular feature, as customary, will be the open meeting of active (wholesaler) and associate (manufacturer) members for the discussion of topics of mutual interest. The program for this session is being arranged under the direction of William D. Barry, of Mallinckrodt Chemical Works, this city, chairman of the associate members' division.

Drug Warning Statements Must Be Legally Adequate

OPD Washington Bureau
January 17, 1940

To avoid misunderstandings which may have arisen in some quarters, officials of the Food and Drug Administration point out that the recent listing of warning labels currently considered satisfactory for various drugs under the provisions of section 502(f) (2) of the food, drug, and cosmetic act is in no sense a regulation and should not be considered as such.

The list of warning labels was contained in a circular from W. G. Campbell, chief of the administration, to field offices with a letter stating that these were samples of warning statements "which are not being subjected to adverse criticism for the present," and with the explanation that such information might be useful to manufacturers desiring assistance in revising drug labels to meet this provision of the law.

As Mr. Campbell pointed out in his covering letter, the manufacturer has the responsibility for writing labels which the courts may construe as complying with the law and the Food and Drug Administration has no authority to require any particular language on the label of a given drug. This list of warning labels which have been informally approved, therefore, was published merely as a matter of information, and a manufacturer may alter the language in any way he sees fit, provided he feels his label meets the requirement of an adequate warning against unsafe use.

Due Caution Essential

On the other hand, officials are somewhat apprehensive lest the knowledge that these warning statements are not compulsory may mislead some manufacturers into refraining from giving their labels the proper study in the light of the attitude of the Food and Drug Administration as reflected in the sample warning notices published.

This does not necessarily mean that the administration will take legal action against all drugs not bearing warning labels substantially the same as those in the list of samples, particularly if the manufacturer has recently revised his label to include a warning statement which he considers meets the requirements of section 502(f) (2).

—*Continued on page 47*

C. Fischbeck President Of Essential Oil Ass'n

Charles Fischbeck, of P. R. Dreyer, Inc., this city, was elected president of the Essential Oil Association, at its annual meeting, held in the Hotel Warwick, this city, January 12. He succeeds Harry C. Ryland, of H. C. Ryland, Inc., who was named to the executive committee.

Charles Fischbeck

V. H. Fischer, of the Dodge & Olcott Company, was elected vice-president, and Robert B. Magnus, of Magnus, Mabee & Reynard, Inc., was re-elected secretary-treasurer. John H. Montgomery, of Fritzsche Brothers, Inc., was also elected to the executive committee. The nominating committee consisted of L. Rapin, of Antoine Chiris; M. Lemmermeyer, of Aromatic Products, and I. Budd, of Ungerer & Co.

Herty Forest Institute Campaign Fund Started

Atlanta, January 19, 1940

The campaign to found the Herty Forest Institute, in memory of the late Dr. Charles H. Herty, distinguished New York and Georgia scientist, received impetus this week as state leaders and civic organizations joined in a "Doctor Herty Week" observance. The Charles S. Herty Testimonial Fund for creation of the institute is to be raised by public subscription.

The observance was marked yesterday by dedication of two model demonstration forests in honor of the scientist who discovered a process of making white paper from Southern pine. The proposed institute will be located at Waycross, in the heart of the vast forest section to which the scientist gave a new industrial and agricultural economy

Chemists to Discuss Modern Sea Warfare

"Modern Sea Warfare" is the topic of a symposium scheduled by the Chemists' Club, this city, for January 24. The discussion will be started at 8:15 p.m.; those who so desire will gather for dinner at seven o'clock.

The discussion leader will be James Edward Allen, 3d, a former member of the naval forces and a student of naval affairs. The speakers will be Capt. Chester Garst Mayo, U. S. N.; Lowell M. Limpus, captain A. R. C. and author of Twentieth Century Warfare; and Fletcher Pratt, author of Sea Power and Today's War.

Flax Institute Reports Activities

Minneapolis, Jan. 16, 1940

The Flax Institute of the United States, despite the constantly changing conditions with which it was confronted, made steady gains all through the past year, meeting emergencies of every nature with steady confidence, is the sum of the reports of its officials on its activities.

On the political front the institute can record a victory in its fight against the trade treaties promulgated to the detriment of the flax industry and other agriculture. The institute was one of the leaders against the Argentine treaty in the Northwest, T. L. Daniels, vice-president of the Archer-Daniels-Midland Company and chairman of the Flax Development Committee, appearing in Washington on behalf of the institute and the flax-growers of the country. The institute was not only active on its own behalf but urged the preparation of briefs on the part of local chambers of commerce and business interests in the areas affected by the threat of a tariff reduction.

The institute, at its annual meeting, adopted a resolution opposing any reduction in the tariff on flaxseed or linseed oil, believing that the duties in effect at the present time serve the best interests of the producer and consumer.

The second great task of the institute was the bettering of the flaxseed production of the country. The first of the Fall government reports indicated a sharp increase in production; later reports showed a gradual increase in the expectations; and the final report of the government placed total flaxseed production at 20,330,000 bushels. The hard work of obtaining

—*Continued on page 34*

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Current Market Quotations

January 19, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED JAN 22 1940 LIBRARY THE DRUG REPORTER

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07¼- —
l.c.l., dms., dlvd.....lb. .07¾- —
tanks, dlvd.....lb. .05¾- —
Methyl (see M).
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.28 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10¼- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd., ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00

USP, $25 per ton higher.

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caporic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10¾- .11¼
Corn, dist., dms.....lb. .10 - .10¾
Cottonseed oil, dist., dms....lb. .09½- .10
tanks .....lb. .09 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms...gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., f.o.b. works, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 Nom.
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 Nom.
single bbls.....lb. .80 Nom.
fib. dms., 25 lbs.....lb. .81 Nom.
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11¼
plastic grade.....lb. .12¼- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22¼
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .14 - .14½
Laurent's, bbls.....lb. .45 - —
Acid, linseed oil, dark, dms..lb. .13 - .13½
light, dms.....lb. .14 - .14½
extra white, dist., dms...lb. .14½- .15
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 1.90 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085-.009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls... lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .11 Nom.
l.c.l., dms., works.....lb. .11½ Nom.
tanks, works.....lb. .10½ Nom.
200-220, dms., c.l., works..lb. .09½ Nom.
l.c.l., dms., works.....lb. .10 Nom.
tanks, works.....lb. .09 Nom.
240, dms., c.l., works.....lb. .14 Nom.
l.c.l., dms., works.....lb. .14½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works....100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .08 - .08½
tanks .....lb. .07½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 Nom.
cns. .....lb. 1.10 Nom.
USP, cryst., cns.....lb. 1.45 Nom.
resubl., cns.....lb. 2.05 Nom.
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, distl., double pressed, bgs., dlvd..lb. .12 - .13
single pressed, bgs., dlvd.lb. .11½- .12½
triple pressed, bgs., dlvd..lb. .14¾- .15¾
saponif., double pressed, bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.69
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10

Acid, sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9 works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. Works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98% tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .06 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .40 Nom.
USP, fluffy, bbls., 1,000-lb. lots..lb. .88 Nom.
100-lb. lots.....lb. .90 Nom.
25-lb. lots.....lb. .93 Nom.
powd., bbls., 1,000 lbs.....lb. .78 Nom.
smaller lots.....lb. .80 Nom.
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .33¼- —
smaller quantities.....lb. .33¾- —
kgs. .....lb. .34¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., wks....lb. No prices
Chem. grade, kgs., wks....lb. No prices
Aconite, leaves, bls.....lb. .28 - .40
Root, bls.....lb. .38 - .40
Aconitine, amorph., bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar 1, bls.....lb. 1.50 Nom.
3, bls.....lb. No prices
Agaric, white, bls.....lb. No prices
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .63
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .60 - .62
dom., powd., dms., bbls., lb. .65 - .67
import, cs.....lb. .62 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt.alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —

Contract prices 1c. per gal. less.

Secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms.. works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

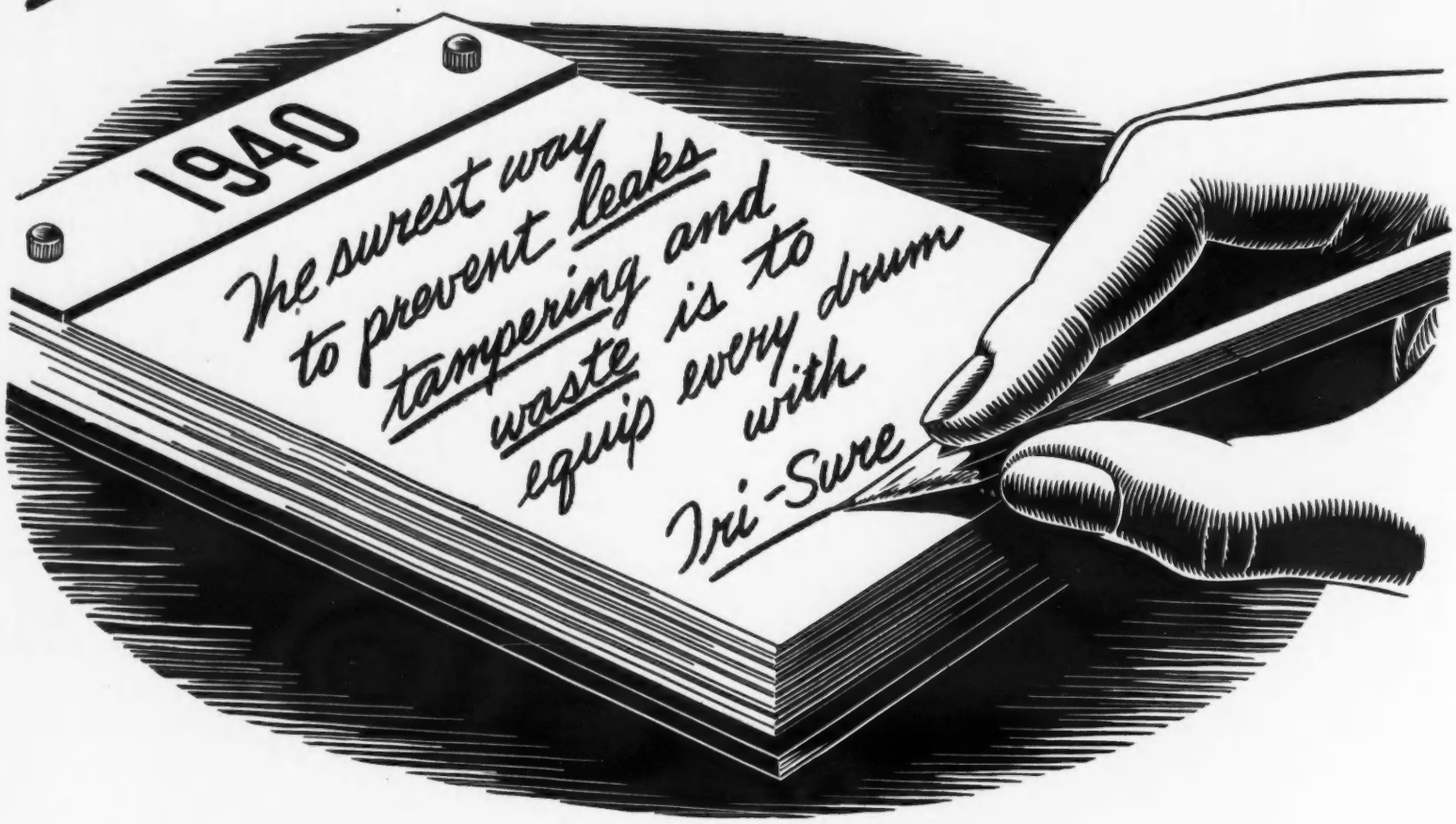
SDI, 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works....gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD-2B., dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E., works.....gal. .20½- —
SD23-G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Memo— TO EVERY COMPANY THAT SHIPS IN DRUMS



Right now, early in the year, is the time to resolve to end every hazard your drums can encounter—to make 1940 a year of safe shipments— by using Tri-Sure Closures.

Complete protection sums up what Tri-Sure means to both seller and buyer. And the reason is that, in Tri-Sure Closures, nothing is overlooked to assure the safe delivery of every drop that is shipped. The Tri-Sure seal is leak-proof — and it cannot be removed without deliberately destroying it. The Tri-Sure flange is flush with the inside of the drum-head — and the plug cannot work loose.

When a product is shipped in Tri-Sure-equipped drums *all of it* is safeguarded *all of the way* — from leakage, waste, tampering, pilferage and substitution—from every hazard to the shipper's prestige and to the customer's satisfaction. Give *your* product—*your* reputation — this protection. Send today for complete information on Tri-Sure Closures.

AMERICAN FLANGE & MANUFACTURING CO. INC.
30 Rockefeller Plaza, New York

Tri-Sure CLOSURES

STOP LEAKAGE • WASTE • TAMPERING • PILFERAGE • SUBSTITUTION

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works..gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l.,dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.55 - —
19 bbls. .....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms. .....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks .....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms. .....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b., dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .22 - .23
Aloe, Cape, cs.....lb. .22 - .24
Curacao, cs.....lb. .48 - .50
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .32 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .45 - .50
peeled, bls.....lb. .47 - .49
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N. Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N. Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼ Nom.
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00

Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
52%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd...lb. .40 - —
smaller containers, dlvd., lb. .50 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order .....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .19½- —
less than ton.....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
Alumina, sulphate, coml., bbls., c.l., works, frt. equald, 100 lbs. 1.35 - —

Alumina, sulphate, coml., bbls., l.c.l., works, frt. equaled 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.45 - —
l.c.l., works.....100 lbs. 1.70 - —
bbls., c.l., works...100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 1.90 - —
Aluminum 98-99%, c.l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .63 - —
ink, dms., 1,500 lbs.....lb. .73 - —
standard, dms., 1,500 lbs..lb. .40 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs. lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .40 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04½- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 20°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
Powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal), USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.50 & .75
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .12½ Nom.
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton.28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 49%, cbya., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19
ex pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —

Amyl, chloride, mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots., 25 dms., l.c.l., works..lb. .26 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anaethol, bots. .....lb. 1.05 - 1.15
Angelica root, dom., bls.....lb. .23 - .24
import, natural, bls.....lb. .60 - .70
twisted bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Mexican, bgs.....lb. .14 - .14½
Spanish, bgs.....lb. .28 - .29
Star, bgs.....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 2.65 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. No price
l.c.l. .....lb. No price
Salt, 65%, kgs.....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .15½ Nom.
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 6.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .70 - .75
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Manjab No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots, f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points.. ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 7.00 - —
Sulphate, bots.....oz. 4.00 - 4.25

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.25 - 3.35
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l.,works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.55.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
bbls., c.l., works.ton.57.50 - —
Chicago .....ton.60.00 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Barium, chlorate, kgs.....lb. .20 - .22
Chloride, CP., cryst., bbls...lb. .25 - —
kgs. .....lb. .27 - —

Alcohol—Black, Bone

Barium, chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis..ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .14 - .15
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .10½ Nom.
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis..ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.s..ton. No prices.
l.c.l., ex whse.....ton. No prices.
ungrd., bulk, c.l., ex dock.ton. No prices.
Italian, grd., bbls., c.l., ex dock, t.s..ton.29.50 Nom.
l.c.l., ex whse. .....ton.32.50 Nom.
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .24 - .30
Root, bls.....lb. .32 - .45
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minneapolis, Colo..gal. .16 - —
export .....gal. .17 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.25 -17.50
Hydrochloride, cns.....lb.17.25 -17.50
Sulphate, cns.....lb.17.25 -17.50
Berberis root, bls.....lb. .11 - .12
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cans. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.62 - 2.06
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.88
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 61-66%, bxs...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms .....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 5-lb. lots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .13 - —
l.c.l., frt. alld., E.....lb. .13½- —
2, bbls., bgs., c.l., frt. alld. E. lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —

Black, Bone—Chalk

Black, bone, 3, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6 bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .07 - —
7 bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E. lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants. lb. .0255- —
f.o.b. North Atlantic ports, lb. .03425- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02425- —
f.o.b. North Atlantic ports, lb. .0330- —
l.c.l., beads or uncompressed, bgs., f.o.b. whse..lb. .05¾- —
dlvd..lb. .06¼- —
cartons, f.o.b. whse. or dlvd..lb. .06¼- —
cases, f.o.b. whse. or dlvd. lb. .07 - —
bulk, cars, c.l., f.o.b. plants. lb. .0230- —
f.o.b. New York harbor..lb. .0318- —
Special, 2, bgs., c.l., works, lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
bgs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .29 - —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works...lb. .40 - —
cs., c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7 cs., l.c.l., dlvd.....lb. 1.10 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s., Gulf ports..lb. .05¼ Nom.

Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08½- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A., ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
lc.l., f.o.b. N. Y.....lb. .20 - —
6, bbls, c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls, works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .24 - .26
Tree bark, bls.....lb. .13 - .14
Black Indian hemp root, bls...lb. .22 - .24
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 -55.00
l.c.l., works.....ton.54.00 -60.00
direct process, bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.25
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.45 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.65 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 3.40 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .13
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Blue, ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. 11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls. .....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.47 - —
powd., cns.....lb. 1.49 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works...100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis..... 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.35 - 9.60
l.c.l., dealer.....100 lbs.10.35 -10.60
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports.ton.30.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 - —
import, 100-lbs., bgs., c.i.f., ports, shipt..ton.32.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.29.00 -30.00
import, 1% ammon., 66-70% phos., bgs., c.i.f. ports.ton.34.00 - —
Boneset leaves, bales.....lb. .08 - .09
Borage flowers, bales.....lb. .20 - .25
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .14 - .15
Brown, iron oxide, pure precip., cks., f.o.b. N.Y.....lb. .11½- —
Metallic, iron oxide, bbls., works. lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis..lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis..lb. .07½- —
11, bbls., same basis..lb. .07 - —
12, bbls., same basis..lb. .06½- —
13, bbls., same basis....lb. .06¼- —
14, bbls., same basis..lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02½- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2, bbls., same basis..lb. .11½- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis..lb. .06¼- —
11, bbls., same basis..lb. .06¼- —
Umber, American, bbls., works. lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .05 - —
ex whse., Kansas City.. lb. .05½- —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04¾- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices.
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, true, bls....lb. .12 - .15
cut and sifted, bbls.....lb. .16 - .18
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .14 - .15
Burgundy pitch, dom., dms...lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
dms., l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld....lb. .09½- —
contract prices 1c. per gal., less
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55 gal. dms., dlvd..lb. .35 - —
5 gal. cns.....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms. .....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .25½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal pat. shapes cs.....lb. .85 - —
ingots, or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.96
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .20 - .22
bleached, bls.....lb. .60 - .65
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant ... use, pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.....lb. 4.75 - —
l.c.l., f.o.b. warehouse....lb. 4.85 - —
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd..ton.22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -23.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 125-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .95
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during Dec.-Jan.-Feb..ton.23.50 - —
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f., Atlantic ports, shipt...unit-ton. No price
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton.46.00 - —
80%, CaS., bgs., c.l., wks.ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.45 - —
Camphor, natural, powd., cs..lb. .85 - .90
slabs, cs.....lb. .85 - .90
tablets, tins.....lb. .90 - .95
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .35 - —
smaller lots, works....lb. .40 - —
USP, or import., gran. powd., bbls., 2,000-lb. lots..lb. .55 - —
1,000-lb. lots.....lb. .56 - —
smaller lots.....lb. .57 - —
tablets, 2,000-lb. lots....lb. .68 - —
1,000-lb. lots.....lb. .69 - —
smaller lots.....lb. .70 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .03¾- .04¼
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .04 - .04½
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. .90 - .95
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.50 - 2.75
powd., bxs.....lb. 2.60 - 2.85
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .13½- .14
Russian, bgs.....lb. .12½- .13
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. allf.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. allf..gal. 1.10 - —
l.c.l., frt. allf.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamon, bleached, cs.....lb. 1.40 - 1.70
decorticated, cs.....lb. 1.00 - 1.05
green, bgs.....lb. .80 - .81
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .14 - .16
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .14 - —
5 tons, works.....lb. .15½- —
smaller lots, works.....lb. .20 - —
80-100 mesh, bgs.....lb. .14½- —
5 tons, works.....lb. .16 - —
smaller lots, works.....lb. .20½- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .13 - —
80-100 mesh, bgs., c.l., duty paid..lb. .13½- —
French, 30 mesh, bgs., c.l., duty paid..lb. .14 Nom.
Cassia, Batavia, No. 1, bls....lb. .17½- .18
shortstick, bls.....lb. .14 - .14½
broken, bls.....lb. .13½- .14
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .10 - .10½
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .14½- .14¾
Cassia fistula, bskts.....lb. .13 - .14
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, f.o.b. shipt. ports..ton.95.00 -98.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.i.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .17½- .18
Indian, bgs.....lb. .14½- .15
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., cs., 5,000 lbs. and over, frt. alld..lb. .34 - —
100 to 4,950 lbs., same basis..lb. .35 - —
less than 100 lbs., works..lb. .36 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. allf...lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. allf..lb. .41 - —
1,000-4,900 lbs., frt. allf.lb. .42 - —
100-900 lbs., frt. allf....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. allf..lb. .43 - —
1,000-4,900 lbs., frt. allf.lb. .44 - —
100-900 lbs., frt. allf....lb. .45 - —
smaller pkg., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. allf.....lb. .45 - —
1,000-4,900 lbs., frt. allf.lb. .46 - —
100-900 lbs., frt. allf....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. allf.lb. .41 - —
1,000-4,900 lbs., frt. allf.lb. .42 - —
100-900 lbs., frt. allf....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. allf..lb. .43 - —
1,000-4,900 lbs., frt. allf.lb. .44 - —
100-900 lbs., frt. allf....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, ca., 5,000 lbs. and over, frt. allf..lb. .34 - —
100 to 4,950 lbs., same basis..lb. .35 - —
less than 100 lbs., works, lb. .36 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .55 - —
kgs., works.....lb. .57 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02½- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —

Chamomile flowers, Hungarian, genuine, cs..lb. .35 - .40
Roman, bls.....lb. .45 - .50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton 32.40 - —
Colo. .....ton 29.00 - —
Conn., Me., & Mass., N. H., R. I., Vt., ton 32.80 - —
Ill. (except river point), Minn., Neb., Wis., ton 27.00 - —
Indiana .....ton 28.00 - —
Mo., Okla., Tex. (except El Paso).....ton 25.00 - —
c.l., dlvd., Kansas, El Paso, Tex..ton 26.00 - —
Michigan .....ton 29.80 - —
Ohio .....ton 29.80 - —
Penn. .....ton 31.80 - —
Utah .....ton 66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton 9.50 - —
l.c.l., works.....ton 10.00 -16.00
bulk, c.l., works...ton 7.60 - —
200 mesh, bgs., c.l., works..ton 8.50 - —
l.c.l., works.....ton 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton 9.50 - —
paper bgs., c.l., works. ton 12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton 26.00 Nom.
powd., cska., l.c.l., ex dock. ton 39.00 Nom.
ex whse.....ton 42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .92 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .92 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, 5 cps., bgs., c.l., works..lb. .40 - —
ton lots, works.....lb. .42 - —
smaller lots, works.....lb. .45 - .50
10-1,000 cps., bgs., c.l., works, lb. .35 - —
ton lots, works.....lb. .37 - —
smaller lots, works.....lb. .40 - .45
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, rt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13¼- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .30 - .35
USP, broken quill, red, bgs., lb. .27 - .28
yellow, bgs.....lb. .27 - .30
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

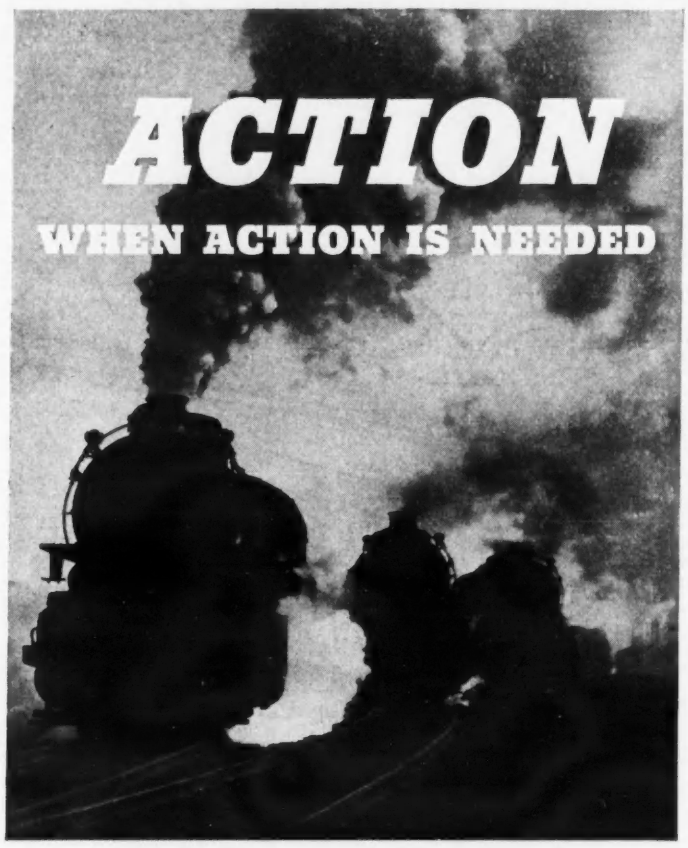
Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinnophen, USP, 5-lb. bxs., lb. 2.90 - —
1 lb., bots.....lb. 3.42 - —
100 lbs., dms.....lb. 3.15 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., obys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .18½- .19
3 bls.....lb. .18 - .18½
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars, tubes..lb. .92 - 1.14
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Madagascar, bls.....lb. .23 Nom.
Zanzibar, bls.....lb. .17 - .17½
Clover tops, bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., wks.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½% bms.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Cobalt, oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .13 - .13¼
Cocillana bark, bgs.....lb. .40 - .45
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., 4 ozs.....oz. 18.00 - —
single, ozs.....oz. 19.00 - —
Colchicum seed, bgs.....lb. .35 - .37
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .18 - .20
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .14 - .16
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .34 - .35
S. A. USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .1690 Nom.
Copper, chloride, cryst., bbls..lb. .18 Nom.
Cyanide, tech., bols.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12¼- .12½
Nitrate, cryst., bbls.....lb. .17 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80% bbls., tons, works..lb. .18¾ Nom.
Red, com'l., 80-88%, kgs., f.o.b. N. Y..lb. .20 Nom.
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½- .25½
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton 18.00 - —
bbls., c.l., works.....ton 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton 14.00 - —
Copra, Coast, shipt.....lb. .0195 Nom.
Coriander seed, Morocco, bgs..lb. .04½- .05
bleached, bgs.....lb. .09½- .10
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 2.99 - —
slabs, bbls., c.l.....100 lbs. 2.91 - —
solid, bbls., c.l.....100 lbs. 3.03 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.02 - —
43°, bbls., c.l.....100 lbs. 3.07 - —
Cornsilk, bls.....lb. .14 - .15
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.04 - —
gran., powd., dms., 50 lbs. or more..lb. 1.89 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —

Chamomile—Crotonaldehyde

Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .15 - .16
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .26¾- —
smaller lots, bbls.....lb. .27¼- —
kgs.....lb. .27¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote, oil, crude, tanks, works, gal. .13½- .14¼
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works .....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10⅛- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —



Now when the demand for all materials is increasing, Witco customers have discovered the full value of Witco's cooperation and prompt, dependable service on high quality chemicals, oils and pigments. For by giving ACTION when it was needed most, Witco has aided many of its customers to meet their own rapidly expanding production schedules.

Witco is prepared to supply a few more selective customers with reasonable quantities of most of the products described in the column at the right. If you are seeking an additional source of supply we invite you to make a test of Witco quality *and* service. Simply check the products you require, cut on the dotted line and mail to Witco.

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Gentlemen:

Please send me samples of the following:

WITCO CARBON BLACKS FOR PAINTS, ENAMELS AND LACQUERS are available in a wide range of intensities that permit the attainment of desired results within the cost of any formula—

☐ **1. WITCO REGULAR CARBON BLACK** is especially produced for commercial and similar types of paints.

☐ **2. WITCO NO. 100 CARBON BLACK** is very popular for industrial purposes. Low in price but with greater intensity than REGULAR. Excellent for leather finishes.

☐ **3. WITCO HITONE CARBON BLACK** is a good black for many intermediate types of work—industrial lacquers, enamels, etc.

☐ **4. WITCO STANDARD CARBON BLACK** is an intense black to be used where specifications call for a slightly lower priced black than SUPER. Gives fine results in enamels.

☐ **5. WITCO SUPER BLACK** is a widely used black suitable for automobile enamels and high grade lacquers where high intensity is demanded.

☐ **6. WITCO EXTRA SUPER CARBON BLACK** meets all but the very highest requirements in enamels and lacquers.

☐ **7. WITCOLAC CARBON BLACK** is the most intense black available. Meets the highest requirements for lacquers and enamels.

☐ **WITCO FERROX COLORS** are known for their remarkably smooth, fluffy texture and their striking compatibility with synthetic vehicles. High in tinting strength, covering power, sun fastness and weather resistance.

☐ **WITCO ALUMINUM AND ZINC STEARATES** are not only unusually pure but of an exceptionally even, fluffy texture free from all traces of "greasy" lumps.

☐ **WITCO STEARITE** is produced by a special process and gives excellent results in polishes and platers' polishing compounds, in varnishes, in plastics as a water repellent, in chemical manufacture and as a base for the manufacture of stearates.

☐ **WITCO'S PIONEER BRAND HYDROCARBONS (M. R.)** are high grade, refined, pure asphalt products, glossy black, non-tacky.

☐ **WITCO MAGNESIUM CARBONATE** is one of the most transparent products available on the commercial market today. Available in densities to meet individual specifications.

☐ **WITCO TITANIUM DIOXIDE** is a product in which a new degree of fineness and ease of grinding has been attained. It permits formulations of great hiding power and low pigmentation.

☐ **WITCO WHITING** is an inert pigment of low cost that permits the formulation of products with excellent luster. Exhibits a clean transparency under oils.

☐ **WITCO BLANC FIXE** is pure, speck-free, made by the direct process that assures better color and more uniform oil absorption.

☐ **WITCO CHINA CLAY** is widely used for improving brushing qualities and suspending other pigments in paints because of its light, fluffy texture.

☐ **WITCO BARYTES** are available in both ground and water floated grades and can be relied upon to give quality results.

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REDUCE

INTERFACIAL
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AEROSOL is bringing great efficiency and improved results in many lines of production through the reduction of surface and interfacial tension.

AEROSOL increases detergency—for example, in the cleaning of glass prior to silvering.

AEROSOL is also used in the treatment of pigments to give the proper texture and to vary the oil absorption as desired.

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These are just a few of the many uses of this amazingly swift and powerful wetting agent. Full information about AEROSOL will be sent to you promptly on request. At the right is a list of products and processes in the production of which AEROSOL is now being used with profitable results.

ADHESIVES
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GLASS CLEANERS
LEATHER FINISHES
METAL CLEANERS
METAL PLATING
METAL POLISHES
PAPER (Absorbent, Gasket, Bronze Pigment Coated)
PHARMACEUTICALS
PHOTOGRAPHY
PIGMENT AND DYE DISPERSION
PIGMENT MANUFACTURE
PLASTIC MOLDING
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SHOE CLEANERS and POLISHES
SOLDERING FLUX
WALL PAPER REMOVERS
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30 ROCKEFELLER PLAZA • NEW YORK, N.Y.

*Trade-mark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

MAKE A NOTE AND PLAN TO BE AT
the 15th Annual Drug, Chemical and Allied Trades Banquet to be held at the Waldorf-Astoria on Thursday Evening, March 14.

Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs. .....lb. .47 - .48
Culver's root, bls.....lb. .15 - .16
Cumin seed, Malta, bgs.....lb. .14¾- .15¼
Morocco bgs.....lb. .15¼- .15¾
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22%, N_2, pulv., bgs., dlvd., contracts, N_2 unit ton. 1.27½- —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms.,works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol,98-100%, dms.,works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E of Rockies..lb. .58 - —

D

Damiana leaves, bls.....lb. .30 - .35
Dandelion root, German, bls...lb. .40 - .45
Deerfongue leaves, bls.....lb. .15 - .16
Degras, common, dom., bbls...lb. .09½- .10
English, bbls.....lb. .09¾ Nom.
neutral, dom., bbls.....lb. .15 - .18
English, bbls.....lb. .15 — .18
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .26
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns.....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.75 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.40 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.60 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.55 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs. c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l. c.i.f.....ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethyl carbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Glycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .09½- .10
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest. dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs dlvd .....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .18 - .20
Dogwood bark, Jamaica, bls., lb. .07 - .09
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. 1.05 - 1.10
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2 cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
Yellow, FD&C yellow, No. 1, cns..lb. 3.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C, green, No. 6, cns....lb.12.35 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10 cns....lb.15.85 - —
D&C orange, No. 11 cns...lb.17.35 - —
Red, D&C, red, No. 17, cns..lb. 8.35 - —
D&C, red No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.55 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
Blue,, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 13, cns. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
465 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.20
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
606 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Dyes, coaltar, for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .40 - .52
332 Bismarck brown R...lb. .40 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
637 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. ..50 - —
151 Orange Y.....lb. .30 - —
161 Rrange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
653 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .60 - .62
imported .....lb. .56 - .58
Elder flowers, bright, bls.....lb. .40 - .45
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .21 - .22
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.19.00 -19.50
Ephedra, bls.....lb. .10 - .10½
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs. 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs. 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs. 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 3.75 - 4.00
Esenine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —

Cube Root—Fustic Extract

Ether, sulphuric, conc., dms., 120 lbs..lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .075 - —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .065 - —
95-98%, dms., c.l. frt alld..lb. .0775- —
l.c.l., frt. alld.....lb. .0825- —
tanks, frt. alld.....lb. .0675- —
USP, XI, dms., 460 lbs.....lb. .09 - —
cns., 35 lbs.....lb. .13 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., dlvd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.65
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis—lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Monobutylether, dms., c.l.,works, lb. .16¾- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l.,works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¾- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .25
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .85 Nom.
Eucalyptus leaves, bls.....lb. .13 - .15
Eugenol, cns., dms.....lb. 2.25 - 2.30
Euphorbia, bls.....lb. .13 — .15

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons..ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .14¼- .14¾
German, large, bgs.....lb. .33 - .34
Fenugreek seed, bgs.....lb. .06 - .06½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .11½- —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .12½- —
smaller lots, works....lb. .14 - —
water white, cs., 1,000 lbs. or over, works..lb. .13½- —
smaller lots, works...lb. .15 - —
Fir balsam, Canada, cns.....gal.12.75 -13.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.25 Nom.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.59.00 - —
wet, acidulated, 6-7% ammon., 3-5% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Jan. shipt..ton.51.00 - —
spot..ton.51.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .20 - .21
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.00 - —
washed gravel, 85.5 f.o.b. Ky. Ill.-Ky.mines..net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill., mines..net ton.21.00 - —
imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l. ex dock.ton.25.00 Nom.
l.c.l., ex whse.....ton.32.00 Nom.
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb .16 - .17½
Fustic extract, cryst., bbls....lb. .24 - .28
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. 19 - .21

G Salt—Iron Hypophosphite

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases.....lb. .10 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06½- .0780
65 octane and above, tanks, gal. .06¾- .0735
California, 54-58, tanks...gal. .06½- .08
Gulf Coast, U. S. Motor, bulk, gal. .05⅜- —
60-62, 390 e.p., bulk, export, gal. .05⅜- —
70-72, 400 e.p., bulk, export, gal. .06¼- —
63-67, 375 e.p., bulk, export, gal. .05¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04⅝
70-72 octane, tanks....gal. .04⅞- .05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks, gal. .03½- .04
third grade, tanks.....gal. .03¼- .04
63-66 octane, tanks....gal. .03½- .04½
67-69 octane, tanks....gal. .03⅝- .04⅝
70-72 octane, tanks....gal. .04 - .04¼
U. S. motor, 18-lb. v.p., tanks..gal. .05½- .05¼
22-lb. v.p., tanks.....gal. .04¾- —
26-70 lb. v.p., tanks...gal. .04 - .04¼
below 60 octane, tanks.gal. .05 - —
65 octane, tanks.....gal. .07 - —
52-54 450 e.p., naphtha, tanks..gal. .05½- —
natural, 12-lb. v.p., tanks, gal. .02¾- .03
14-lb. v.p., tanks.....gal. .02½- .02⅝
Gelatin, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .09¼- .09⅝
Cochin, leman, bgs.....lb. .09½ Nom.
Jamaica, bold, bgs.....lb. .12 - .13
grinding, bright, bgs.....lb. .09½- .10
medium, bgs.....lb. .11¼- .11⅝
Japanese, bgs.....lb. .08 - .08½
Ginseng root, wild, Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
36/58, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
58/82, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
113/347, bgs., c.l., same basis, lb. .22 - —
l.c.l., same basis.....lb. .23 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP., cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l, dlvd.....lb. .12¼- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .12 - .12½
Goldenseal, root, bls.....lb. 3.60 - 3.65
powd., bxs.....lb. 3.90 - 3.95
Grains of paradise, bgs.....lb. .45 - .47
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works....lb. .02½- —
65% graphitic, carbon, bbls., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
50% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .05 - .05¼
White .....lb. .05⅜- .05⅝
Yellow .....lb. .05 - .05¼
Wool (see Adeps lanae and Degras).

Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07½- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.10 - 1.13
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14½- .15
white, sorts, 1, bgs.....lb. .33 - .35
2, bgs.....lb. .32 - .34
powd., bbls.....lb. .17½- .18
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .24 - .25
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .24 - —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. 17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .11⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .10⅝- —
13, dark sorts bold, bgs., c.l., same basis..lb. .08½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¼- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .17¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .17½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .16¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .11⅝- —
21, ordinary selected nubs, c.l., same basis..lb. .10⅝- —
22, small mixed nubs, bgs., c.l., same basis..lb. .09¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale bld chips, bgs., c.l., same basis..lb. .10 - —
27, pale small nubs, bgs., c.l., same basis..lb. .09¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .07 - —
chips, bgs., c.l., same basis..lb. .07 - —
dust, bgs., c.l., same basis, lb. .06⅝- —
nubs and chips, bgs., c.l., same basis..lb. .07 - —
black, bold, scraped, bgs., c.l., same basis..lb. .12¼- —
unscraped, bgs., c.l., same basis..lb. .08¾- —
nubs and chips, bgs., c.l., same basis..lb. .07¾- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .15⅝- —
Gum, copal, Hiroe, Macassar chips, bgs., c.l., same basis, lb. .09 - —
dust, bgs., c.l., same basis..lb. .06¾- —
nubs, bgs., c.l., same basis..lb. .14⅜- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .17½- —
chips, bgs., c.l., same oasis, lb. .09¼- —
dust, bgs., c.l., same basis.lb. .06⅝- —
nubs, bgs., c.l., same basis, lb. .13⅛- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14¼- —
light, bskts., c.l., same basis..lb. .16⅝- —
Loba A, bskts., c.l., same basis..lb. .17⅝- —
B, bskts., c.l., same basis.lb. .16¾- —
C, bskts., c.l., same basis, lb. .16½- —
CNE, bskts., c.l., same basis..lb. .12¾- —
D, bskts., c.l., same basis, lb. .15¼- —
DK, bskts., c.l., same basis, lb. .11⅞- —
DK, dst, bskts, c.l., same basis..lb. .08¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .17½- —
Singapore, dust., bskts., c.l. same basis..lb. .08¾- —
spirit-soluble, CBB, bskts., basis..lb. .14⅞- —
DBB, bskts., c.l., same basis..lb. .14½- —
MA, bskts., c.l., same basis, lb. .13¾- —
MB, bskts., c.l., same basis, lb. .13¼- —
WS, bskts., c.l., same basis, lb. .14½- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .14½- —
chips, pale, bskts., c.l., same basis..lb. .14½- —
Philippine, Manila, pale, small, bskts., c.l., same basis..lb. .13⅛- —
extra pale sorts, bskts., c.l., same basis..lb. .14¾- —
nubs, bskts., c.l., same basis..lb. .15¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅞- —
seeds and dust, bskts., c.l., same basis..lb. .09⅝- —
Pontianak, bold, genuine, bgs., same basis..lb. .18½- —
mixed, bgs., c.l., same basis, lb. .16⅝- —
split, bgs., c.l., same basis, lb. .16½- —
chips, bgs., c.l., same basis, lb. .10½- —
nubs, bgs., c.l., same basis, lb. .13½- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .22⅝- —
A/D, cs., c.l., same basis..lb. .14½- —
A/E, cs., c.l., same basis..lb. .13⅝- —
B, cs., c.l., same basis.....lb. .21½- —
C, cs., c.l., same basis....lb. .15¼- —
D, cs., c.l., same basis.....lb. .13⅜- —
dust, cs., c.l., same basis..lb. .08⅜- —
E, cs., c.l., same basis.....lb. .10⅝- —
F, cs., c.l., same basis.....lb. .08¾- —
Singapore 1, cs., c.l., same basis..lb. .19⅝- —
2, cs., c.l., same basis....lb. .15⅜- —
3, cs., c.l., same basis....lb. .09 - —
chips, cs., c.l., same basis.lb. .12½- —
dust., cs., c.l., same basis, lb. .09 - —
seeds, cs., c.l., same basis, lb. .10½- —
Elemi, cns., c.l., same basis as copal..lb. .11⅝- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
Western N. Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs. .....lb. .50 - .55
Galbanum, cs. .....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls. .....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .60 - .65
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .15 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .37 Nom.
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.50 Nom.
2, cs.....lb. 2.40 Nom.
3, cs.....lb. 2.25 Nom.
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equaled..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Gypsum, plaster of paris, paper bgs., cl., f.o.b. Acme, Tex., frt. equald...ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags., c.l., f.o.b. Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .30 - .32
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .14 - .15
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .50
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¾- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .06¾- .07¼
Henbane, leaves, bls.....lb. .55 - .60
Henna leaves, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .18 - .20
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08¼- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis.lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz.15.00 Nom.
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.00 - 3.15
Hops, N. F., bls.....lb. .23 - .24
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs..oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.00 - —
cns., 16 oz.....oz.18.75 - —
Hydrastinine, 15 gr., bots....bot. 3.00 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. 100 vols., cbys., E. of Miss R...lb. .03¾- .04 .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.26.00 -26.25
Hydrochloride, 5 gr., bots..bot. .75 - —
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 Nom.
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.62 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.82.00 -84.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls, 47 gals..gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.15 - 1.20
powd., bxs.....lb. 1.25 - 1.30
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .33
prime, bleached, bls.....lb. .26 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 4.75
150-lb. dms.....100 lbs. 5.00 - 5.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
USP VIII, pearls.....lb. .73 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60

Iron, Iodide—Lime

Iron, iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .59 - —
bots.....lb. .55 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb., bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .57 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55 gal., dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .065 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07 - —
tanks, E. of Rockies, frt. alld..lb. .055 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
Isopropyl ether, tanks, E. of Miss., frt. alld..gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

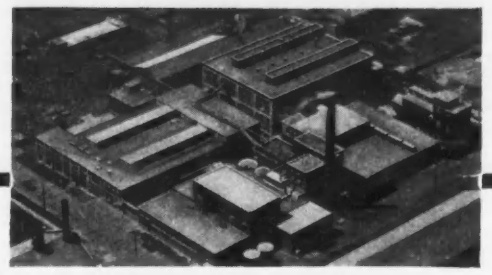
Jaborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .24 - .26
powd., bbls., bxs.....lb. .28 - .30
resin, lump, cns.....lb. 3.70 - —
powd., bxs.....lb. 3.75 - —
Juniper berries, bgs.....lb. .09 - .09½

K

Kamala, tins.....lb. .42 - .46
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0560- —
Gulf ports, p.w., bulk....gal. .03½- .03½
w.w., bulk..gal. .03⅝- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04⅛
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04⅛
42-44 w.w., tanks.....gal. .04¼- .04⅜
Pennsylvania, 45 w.w., tanks, gal. .04⅝- .04⅝
46 w.w., tanks.....gal. .04⅝- .05
47 w.w., tanks.....gal. .04⅝- .05⅛
Kerosene, tankwagon:—
Atlanta.....gal. .12 - —
Boston.....gal. .08¼- —
Chicago.....gal. .10 - —
Cincinnati.....gal. .12 - —
Denver.....gal. .11½- —
Louisville.....gal. .10 - —
Minneapolis.....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .09 - —
San Francisco.....gal. .11¼- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .18

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.40 - 6.50
Middlewestern, trcs...100 lbs. 6.60 - 6.70
Neutral, trcs.....100 lbs. 7.25 - 7.50
Western, choice, trcs..100 lbs. 6.65 - 6.75
Compound, trcs.....100 lbs. 9.50 - 9.75
Larkspur seed, bgs.....lb. .85 - .90
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05½- .06
Lavender flowers, ordinary, bls.lb. .40 - .45
medium, bls.....lb. .50 - .55
select, bls.....lb. .60 - .65
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l., dealers..lb. .10 - .11
l.c.l., bgs., dealers.....lb. .10½- .11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Lead, iodide, NF V, powd., bots., 5 lbs..lb. 2.66 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.....lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .08½- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc., lb. .08½- —
other points.....lb. .08¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¾- —
other points.....lb. .08¾- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc., lb. .08¾- —
other points.....lb. .08½- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09¼- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16¼- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one dlvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld. lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07½- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd., Ariz., etc. lb. .06¾- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., consumers. lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dms., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grades 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .18 - .18
Licorice extract, mass., cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .26
root, cuttings, bls.....lb. .07 - .09
powd., bbls., bxs.....lb. .11 - .13
select, bndls., cs.....lb. .30 - .32
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —



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CAUSTIC POTASH • CAUSTIC SODA
CARBONATE OF POTASH

• • • • •

IRON CHLORIDE
CHLORIDE OF LIME
LARVACIDE
(Chlorpicrin) Fumigant
and other Chlorine products

• • • • •

Also see us for such products as the following, refined in our modern plant at Jersey City, N.J.

GUMS

Arabic • Karaya • Tragacanth • Locust Bean

P. S. Don't forget that 15th Annual Dinner, Drug, Chemical Allied Trades Dinner, Thursday, March 14th, at the Waldorf-Astoria.

WAXES

Carnauba • Beeswax
Candelilla • Ceresine

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CARARRA SOFT DECOMPOSED SILICA

Water ground and floated; Prime white, uniform 99½% pure.

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A National Institution

Lime—Naphthalene

Lime, hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

Lime, spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .08¾
dms., same basis.....lb. .12 - —
dms., consumers.....gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .08½- —
30-50 dms.....gal. .11 - .15

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penn, eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.50 - 2.75
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.30.00 -31.00
meal, 34%, bgs.....ton.37.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
dlvd., other points....lb. .07 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
other points.....lb. .07½- —
smaller lots, dlvd., Ala., etc. lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
Other points.....lb. .08 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.98 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb., jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.65 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons) lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0335- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .40 - .45
Lobelia, herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .55 - .56
import, bls.....lb. .45 - .60
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopedium, cs.....lb. 3.75 - 4.00

M

Mace, Banda, cs.....lb. .58 - .60
Batavia, cs.....lb. .32 - .34
Siauw, cs.....lb. .48 - .49
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¾- —
l.c.l. .....lb. .07 - —
2, bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, zone 1, bbls., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.; prices f.o.b., Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Chloride, anhy., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns 100 lbs. lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.62.00 -66.00
Import, bgs., duty paid...ton.62.00 -66.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .28 - —
Trisilicate, cs., 500-lb. lots...lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .28 - .34
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .20½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls, 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works...ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works...ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .32 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works.....lb. .08¼- .08¾
fertilizer, 65%, MnSo4, bgs., c.l., dlvd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.25
Mangrove bark, bgs., shipt...ton.35.00 - —
Manna flake, large cs.....lb. .58 - .60
small, cs.....lb. .40 - .42
Mannitol, com'l grade, 99% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works...lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .28 - .29
Tunisan, bls.....lb. .27 Nom.
Chilean, bls.....lb. .21 - .22
Matico leaves, bls.....lb. .30 - .32
Menthol, USP, natural, cs.....lb. 3.75 - 3.85
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.24 - —
25 lbs.....lb. 1.26 - —
50%, pails, 50 lbs.....lb. 1.79 - —
25 lbs.....lb. 1.81 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 2.62 - 2.64
fib., dms., 100 lbs.....lb. 2.49 - —
jars, 25 lbs.....lb. 2.51 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs., lb. 4.56 - —
cns., 25 lbs.....lb. 4.45 - —
fib., dms., 100 lbs.....lb. 4.45 - —
yellow, bots., 5 lbs.....lb. 4.66 - —
cns., 25 lbs.....lb. 4.55 - —
fib., dms., 100 lbs.....lb. 4.55 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F., (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.26 - —
USP, fib., dms., 50 lbs. or more..lb. 2.78 - —
more..lb. 2.78 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.72 - —
fib., dms., 25 lbs.....lb. 1.60 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5¼x5¼ in..pkg. 1.50 - 1.75
composition, 5¼x5¼ in..pkg. 1.70 - 1.80
Metal leaf, pkgs, of 20 books (500 leaves) gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅝x5½ in.....pkg.22.50 -23.00
3⅝x5½ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.30 - —
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
90%, tanks.....gal. .31 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 8c. higher on tanks and 4c. per gal. higher on drums, car lots.
Methanol, synth., pure, dms., c.l., Zone 1, frt. alld..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld...gal. .32 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R. lb. .07¼- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, dms., c.l..gal. .41 - .47
l.c.l. .....gal. .44 - .63
tanks .....gal. .35 - .39
Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .33 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
4 .....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt. alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .605 - —
tanks, Zone 1, frt. alld., E. of Rockies..gal. .315 - —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .68 - .78
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .33 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .38 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 160-lb. cylinders. Prices on the 20-lb cylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .39 - —
Lactate, dms., l.c.l., dlvd.....lb. .30 - —
Iodide, bots.....lb. 3.65 - 3.85
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .38 - —
permanent, bbls.....lb. .30 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works...lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .38 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.25 - 2.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee...ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis...ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.22.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.32.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex-Whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex-whse., or frt. alld. E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E. lb. .04½- —
l.c.l., ex-whse., or frt. alld. E..lb. .04¾- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .03¾- .04¼
early fortune, bgs.....lb. .03 - .03½
hulled, bgs.....lb. .06¼- .06¾
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. 05½- .06
f.o.b. New Orleans.....gal. .04½- .05
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works.....lb. 1.00 - —
technical, kgs., basis Mo. content, works.....lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 azs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.55 - 1.60
Musk, nat., Tonquin, grained. bots..oz.21.00 -22.00
pods., caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more—lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .60 - .65
Mustard seed, California, brown, bgs..lb. .09 - .09½
Danish, yellow, bgs.....lb. .11¼- .11¾
Dutch, yellow, bgs.....lb. .10¾- .11¼
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .11 - .11½
Myrobalan, J1, bgs., f.a.s....ton.33.50 - —
J2, bgs., f.a.s.....ton.27.50 - —
Extract, liquid, 25%, bbls.....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bgs., bbls., l.c.l., works, 100 lbs. 2.50 Nom.

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

USI ALCOHOL NEWS USI

January ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1940

Super Pyro Display Spotlights Profits For User and Dealer

U.S.I. Exhibit at Chicago Stresses Safety and Economy

CHICAGO, Ill.—Low cost of anti-freeze protection for the motorist and maximum profits for the dealer were emphasized in the SUPER PYRO exhibit at the 1939 Automotive Service Industries Show, held at the Navy Pier here December 11 to 16.

The role of SUPER PYRO as a reliable and economical anti-freeze mixture was graphically demonstrated by a panel which illus-

The U.S.I. exhibit at Chicago filled the space of four booths, and was built in three separable units.

trated the basis for the SUPER PYRO "No Boil-Away" claim. Two glass tanks, containing a —10° F. SUPER PYRO cooling mixture were heated under automatic control to a temperature between 155° and 160° F. (the normal operating engine temperature).

Both tanks were connected to a vapor condensing unit, so that losses equivalent to

(*Continued on next page*)

Agricultural Chemists Adopt Insecticide Test Methods

WASHINGTON, D. C.—The Association of Official Agricultural Chemists at a recent meeting here adopted a series of standard methods for testing insecticides and insecticidal raw materials.

For determining rotenone in derris and cube powder, the Jones-Graham method was adopted, providing for the use of decolorizing carbon in the extraction flasks. Multiple extraction was recommended for products in which the ratio of rotenone to total extract is 40% or greater.

Finds that Acetone Removes Bloom from Rubber Stoppers

The talc with which rubber stoppers are coated can be easily removed by immersing them in acetone for about 15 seconds and then wiping them with a cloth moistened with the same solvent, reports the *Chemist Analyst.* Stoppers may then either be allowed to dry for a few minutes before using, or may preferably be immersed in cold water and then wiped dry.

Acetone has been found more satisfactory for this purpose than benzene or chloroform, it is reported.

Acetone is produced by U.S.I.

Greater Markets for Anhydrous Alcohol Developed During 1939

Uses for 200 Proof Alcohol Ranged from Separation Processes In Chemistry to Helping Racing Cars Set New Speed Records

Events moved swiftly in 1939 to emphasize the growing importance of both absolute and anhydrous denatured ethyl alcohol as aids to science and industry. Helping to relieve cancer pain, providing better wave sets for women, improving the stability of drug solutions, raising the quality of artificial leather and lacquers, making possible advanced methods of vitamin manufacture, and as an automobile anti-freeze as well as a fuel for powering racing cars were but a few of the ways in which these products proved their advantages last year.

As the largest manufacturer of 200 proof ethyl alcohol, U. S. Industrial Chemicals, Inc., found this evidence on many fronts an indication that there are yet many unexplored applications for this product.

In Separation Processes

Wider use was found for anhydrous alcohol in the manufacture of vitamin G, where the differential solubility of flavin, filtrate factor and anti-pellagric factor in aqueous alcohol and anhydrous alcohol makes isolation of the individual components possible—indicating the importance of proper alcohol strength in various separation processes.

Other markets for absolute alcohol were developed through its ability to improve the stability of the drug solutions Lobelia inflata, Cinchona, Atropa belladonna, Valeriana officinalis, Convallaria majalis and Cannabis sativa. Investigations indicate that absolute alcohol solutions are more stable than aqueous alcohol, both with or without exposure to light.

In the artificial leather, varnish and lacquer fields it has, of course, been known for some time that anhydrous alcohol has outstanding blending features as compared with 190 proof alcohol, especially where shellac or resins must be formulated with nitrocellulose. However, 1939 found more manufacturers investi-

(*Continued on next page*)

Ethyl Alcohol Saves Time In Water Determinations

NEW YORK, N. Y.—How determinations of water in small quantities of biological fluids can be rapidly carried out with the aid of ethyl alcohol has been revealed here.

The process is based on alcohol extraction and on the xylene-alcohol-water miscibility principle, it is reported, and permits a total analysis time of approximately 1½ hours, compared to times as long as 75 hours by the drying method.

The method involves cooling the mixture of sample, xylene, and alcohol to the critical point.

Ethyl Alcohol is a product of U.S.I.

Produces Large Ergosterol Crystals with Ethyl Acetate

MINNEAPOLIS, Minn.—How crystals of ergosterol can be produced in a size large enough to resist fracture and reduce the tendency toward packing is revealed in a patent granted to an inventor here.

The process, it is reported, consists in dissolving 0.2 to 0.3% of water, by volume, in an organic solvent, which may be ethyl acetate, ethyl acetate containing ethyl alcohol, or a mixture of benzene and ethyl alcohol. 5%, by weight, of ergosterol is added to the solution, which is then heated to the boiling point, cooled to room temperature, and filtered.

Ethyl Acetate and Ethyl Alcohol are produced by U.S.I.

Research at the Stamford, Conn., laboratories of U.S.I. has contributed to the utility of Anhydrous Alcohol, which made important advances in many markets during 1939. Some of the applications in which its special properties were used were: Spirit varnishes, drug solutions, medicine, women's wave sets, fuel and anti-freeze for automobiles, and vitamin manufacture.

ADVERTISEMENT—*This entire page is a paid advertisement.*

January ★ # ALCOHOL NEWS ★ 1940

Anhydrous Alcohol in 1939

gating the merits of anhydrous Specially Denatured Alcohols 1 and 23-A. Besides these, any suitable S. D. Alcohol may be secured from U.S.I. in anhydrous form.

Recent experiments also showed that Ansol M*, an anhydrous denatured alcohol solvent, gave natural resin solutions of lower viscosities than any denatured alcohol or alcohol-type solvent studied.

Drug and Cosmetic Fields

Of the various applications developed for absolute alcohol in the drug and cosmetic fields, two shared attention. Use of water-free alcohol in the preparation of karaya gum concentrates for wave sets has the effect of lengthening their shelf life because the absence of swelling of the gum (from water) makes dispersion at any time easy, it is reported.

Good success has also been obtained with absolute alcohol and ether as solvents for balsam of tolu and gum benzoin.

The growing importance of beta keto compounds and the production of a number of esters are also making for greater consumption of anhydrous alcohol by the chemical industry. Increased reaction speeds and higher yields continue to dictate the use of the water-free product in synthesis.

Widespread use of higher proof, quality type anti-freeze and the adoption of alcohol-gasoline blends for automobile racing in this country continued to provide an exciting chapter in the record for anhydrous alcohol. Alcohol fuel blends emerged with outstanding performances under grueling conditions at the famous raceways of the country.

U.S.I. welcomes the opportunity to give more detailed information regarding a particular application for 200 proof alcohol.

*Trade Mark registered in this country.

Here is U.S.I.'s new 1-gallon Solox can, designed for easy storing and quick sales in retail outlets. Its attractive colors make it particularly adaptable to display purposes, and rectangular shape helps save valuable shelf space. The can is provided with a convenient carrying handle, and is equipped with a closure of the popular "U-Press-It" type.

Super Pyro at A.S.I. Show

(*Continued from previous page*)

those from a cooling system operating under normal conditions could be noted. The display illustrated in a simple manner the high degree of protection afforded by SUPER PYRO. It showed, for example, that there was no boiling of the mixture, and that the vapors forming above the mixture level were practically all recondensed into the tanks, only a small part passing over into the condenser.

This panel vividly portrayed the "No Boil-Away" feature of SUPER PYRO.

Another section of the exhibit dramatized the safety of SUPER PYRO through the medium of three mechanical SUPER PYRO Snowmen, one of whom was depicted servicing a cooling system, while a second kept a watchful eye on the system temperature, and a third operated a bellows to insure against overheating.

Dealer Profit Angle Shown

Profits for the dealer received their share of attention, in the form of a shadow-graph showing a slowly swinging can of SUPER PYRO. As the can swung to the left, a stream of SUPER PYRO was seen entering the cooling system of a car; as it swung to the right, a stream of coins flowed into the service station.

The comprehensive character of U.S.I.'s 1939-40 advertising campaign for SUPER PYRO was portrayed in other sections of the exhibit, to round out a display emphasizing the advantages of SUPER PYRO. The display occupied the space of four booths, measuring 40 by 8 feet, and consisting of three separate units which can be employed as individual exhibits at smaller conventions and meetings.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new ointment of colloidal silver and mercury is shown by tests to have a very high antiseptic value, according to the maker. It is said that the colloidal silver and mercury are dispersed in a special cholesterinized-stearate base, which aids in absorption and adsorption, but has no toxic effect. **(No. 290a)**

U S I

Clay nodules can be expanded to weigh from 8 to 30 pounds per cubic foot, and will float in water indefinitely, it is reported. It may replace cork in many instances, since it does not absorb water as cork does, says the manufacturer. **(No. 291a)**

U S I

A soap anti-oxidant is reported to be effective in minute quantities in restraining the oxidation and resulting rancidity, discoloration, and other adverse qualities of soap. It is said to be equally effective in soaps produced from animal or vegetable oils, filled or unfilled. **(No. 292a)**

U S I

Acetylized lavandin is said to be suitable for use in cosmetics to provide a lavender odor with the extra touch of "zip" which many regard as desirable in this popular odor. **(No. 293a)**

U S I

A pH tester is described as a handy means of making approximate pH measurements. It is said to be a device for holding and dispensing pH papers in convenient form. According to the manufacturer, any desired length of paper can be drawn from the container, while at the same time the paper is protected from contamination by the atmosphere. **(No. 294a)**

U S I

A small batch mixer is suitable for making five to eight pounds of cream or a gallon of lotion, it is reported. Applications are said to include laboratory work or the making of small production batches. **(No. 295a)**

U S I

A new plastic is said to be useful for making containers for soap and toilet accessories. It is said to be as transparent as glass, and to be obtainable either in colorless form or in bright colors. It is also reported to have a very low water absorption figure. **(No. 296a)**

U S I

A new violet oil for use in perfumes and toilet waters is said to reproduce with considerable fidelity the odor of living flowers. **(No. 297a)**

U S I

A new bottle label is designed for products packaged in glass. It is said to have a transparent backing, which permits the product in the container to be seen through the design on the label. **(No. 298a)**

U S I

A purified lard now on the market is said to be stabilized with edible anti-oxidants in a proportion high enough to prevent rancidity for a period of 40-50 hours in an active oxygen test. **(No. 299a)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N. Y. U.S.I. BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
Methanol

Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol M
Ansol PR

ESTERS, ACETATES
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

ESTERS, ETHYL
*Diatol
Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

*Registered Trade Mark

ESTERS, PHTHALATES
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Butyl-mesityl-oxide-oxalate
Cellulose Acetate
Collodions
*Curbay Binders
*Curbay X (Dried Curbay)
*Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone

Naphthalene, crude, dom., 78 deg., bgs., c.l., works, 100 lbs.	2.50		Nom.
l.c.l., works	2.75		Nom.
import, bgs., c.i.f.	2.90		Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works	.05½	-	—
50-lb. cs., same basis	.07	-	—
pkgs. (16 oz.), same basis, lb.	.07½	-	—
(12 oz.) same basis	.06	-	—
chipped, crushed, bbls., same basis	.06	-	—
rice, cryst., powd., bbls., same basis	.06¾	-	—
Nerolin, cryst., cns.	1.25	-	1.35
Nickel carbonate, bbls.	.36	-	.36½
Chloride, bbls.	.18	-	.20
Cyanide, 100-lb. dms.	1.40	-	—
25-lb. bot.	1.50	-	—
Oxide, black, bbls.	.35	-	.38
Salt, bbls.	.13	-	.13½
Nicotine sulphate, 40%, dms., works, frt. alld.	.70	-	—
10-lb., tins	.86½	-	—
Nitercake, bulk, works	16.00	-	—
Nitrobenzene, dbl. dist., dms., c.l.	.06	-	—
l.c.l.	.09	-	—
tanks	.07	-	—
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works,	.28	-	—
bronzing, 20, 40, 70 sec. vis., bbls., works	.29	-	—
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works	.23	-	—
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls.	.26	-	-
Nitrocellulose, lacquer, 20-30 and 60-80 sec., vis., bbls., works, lb.	.29	-	—

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports	1.2158	-	—
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.	2.00	-	—
f.o.b. Chemical, Ill.,	2.00	-	—
East Coast producing points	2.90	-	—
import, bgs., c.i.f. Atlantic ports, shipt.	2.65	-	—
Nitronaphthalene, bbls.	.24	-	.25
Nutgalls, Alleppo, bgs., cs.	.29	-	.30
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	.23	-	.23½
110s, bgs., cs.	.20½	-	.21
West Indian, bgs.	.12½	-	.13
Nux vomica, bls.	.05	-	.06
powd., bbls., bxs.	.08	-	.09

O

Oakbark extract, 25% tan., bbls., c.l., wks.	.03½	-	—
l.c.l., bbls., wks.	.03¾	-	—
tanks	.02¾	-	—
Ocher (see Yellow).			
Octane, 100-140° C., mixed, dms., c.l., G.3.	.12½	-	—
l.c.l., G.3	.17	-	—
tanks, G.3.	.10½	-	—
Octyl acetate, dms., c.l., works	.16	-	—
l.c.l., works	.17	-	—
tanks, works	.15	-	—
Oil, almond, bitter, artif. (see Benzaldehyde).			
natural, bots.	2.00	-	2.10
s.p.a., bots.	2.10	-	2.20
sweet, true, exp., cns.	1.00	-	1.25
Amber, crude, cns.	.19	-	.20
ref'd, cns.	.50	-	.51
Amyris, cns.	3.00	-	3.25
Angelica root, bots.	42.00	-	45.00
seed, bots.	70.00	-	75.00
Anilin (see A).			
Anise, USP, cns., dms.	.73	-	.78
Apricot, kernels, cns.	.35	-	.40
Babassu, tanks.	.06½	-	—
Bay, W. I., 50-55% phenols, cns—	1.20	-	1.25
55-60% phenols, cns.	1.30	-	1.35
Bergamot, artif., cns.	1.25	-	1.80
natural, coppers	4.25	-	4.50
Betula (see Oil, sweet birch).			
Birch (see Oil, sweet birch).			
Birchtar, crude, dms.	.25	-	.26
rectified, cns.	.75	-	.80
Bois de rose, Brazil, cns.	1.60	-	1.65
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	.61	-	.62
USP IX, cns.	.71	-	.72
Calamus, cns.	8.00	-	8.25
Camphor, sassafrassy, cns.	.39	-	.40
dms.	.36	-	.37
white, /cns.	.52		Nom.
dms.	.50		Nom.
Cananga, native, cns.	1.75	-	1.80
rectified, cns.	2.20	-	2.25
Capsicum (oleoresin) N. F. VI, cns.	2.50	-	2.75
Caraway, USP, cns.	3.00	-	3.25
Cardamom, bots.	15.00	-	16.00
Cassia, USP, cs., dms.	1.25	-	1.30

Naphthalene—Oil, Linaloe

Oil, castor, blown, one-way dms., c.l.	.14¾		Nom.
l.c.l.	.15½	-	—
medicinal, bbls., c.l.	.13¼		Nom.
l.c.l.	.14	-	—
cns. (1-gal.), l.c.l.	.17	-	—
dms. (returnable), c.l.	.12½		Nom.
l.c.l.	.13¾	-	—
(5-gal), l.c.l.	.15	-	—
tanks	.12½		Nom.
No. 3, bbls., c.l.	.12¾		Nom.
l.c.l.	.13½	-	—
dms. (returnable), c.l.	.12½		Nom.
l.c.l.	.13¼	-	—
tanks	.12		Nom.
dehydrated, dms., c.l.	.181		Nom.
l.c.l.	.185	-	—
tanks	.17½		Nom.

Castor oil, med. and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l.	.09	-	—
l.c.l.	.09½	-	—
75% (63% fat), dms., c.l.	.11	-	—
80% (68% fat), dms., c.l.	.11¾	-	—
l.c.l.	.12¾	-	—
Cedarleaf, cs.	1.00	-	1.05
dms.	.95	-	1.00
Cedarwood, Oregon, cns., dms.	.28	-	.30
Southern, cns., dms.	.19	-	.22
Celery, bots.	7.25	-	7.50
Chaulmoogra, USP, cns., 500 lbs.	1.00	-	—
25 lbs.	1.25	-	—
Chinawood, dms.	.27	-	.28
tanks	.26	-	.27
Cinnamon, Ceylon, bots.	9.25	-	25.00
Seychelle, bots.	7.25	-	8.00
Citronella, Ceylon, cns.	.47	-	.48
dms.	.45	-	.46
Java, cns., dms.	.42	-	.45
Clove, makers, USP, cns.	1.38	-	1.43
dms.	1.33	-	—
Coconut, Manila, crude, tanks.	.03½	-	—
edible, 76°, tax incl., dms. (returnable), c.l.	.08¾	-	—
l.c.l.	.09¾	-	—
tanks	.07¾	-	—
Cod, Newfoundland, shipt., untanked	.72		Nom.
Norwegian, shipt., bbls.	.65		Nom.
Codliver, med., USP, bbls.	32.00	-	35.00
Coriander, bots.	12.50	-	13.00
Corn, crude, tanks, wks.	.06	-	.06½
refd., bbls.	.08½	-	.08¾
Cottonseed, cooking, bbls.	.08¾	-	—
salad, bbls.	.09¼	-	—
import, Brazilian, semi-refd., bulk	.04		Nom.

Creosote (see C).

Croton, N.F., cns.	3.50	-	3.75
Cubeb, USP, cns.	3.50	-	3.75
Crude (see Petroleum, crude).			
Cumin, bots.	7.50	-	8.00
Cypress, dom., bots.	5.25	-	5.50
import, cns.	12.00	-	12.25
Degras (see D).			
Diesel, Bayonne, bulk	1.75	-	—
California, 24 plus, bulk	1.55	-	—
Dill seed, bots.	3.00	-	3.25
weed, bots.	3.60	-	3.85
Dip (see L).			
Erigeron, cns.	2.25	-	2.30
Eucalyptus, cns.	.60	-	.63
dms.	.57	-	.60
Fennel, sweet, cns.	2.25	-	2.50
Fuel, bunker, California, tide-water	.90	-	—
Gulf Coast	.90	-	.95
Louisiana, Arkansas, 10-14	.85	-	1.00
N. Y. and N. J. terminals:—			
Monday	1.50	-	—
Tuesday	1.50	-	—
Wednesday	1.50	-	—
Thursday	1.50	-	—
Friday	1.15	-	—
Saturday	1.15	-	—
North Texas, 18-22	.65	-	.80
24-28, zero cold test	1.00	-	1.10
Oklahoma, 18-22	.65	-	.80
24-28, zero cold test	1.00	-	1.05
24-28, 15 and above	.80	-	.85
Pennsylvania, 3640	.04	-	.04½
Furnace, Bayonne, 1, bulk, refinery	.05½	-	—
2, bulk, same basis	.05	-	.0625
4, bulk, same basis	.0445	-	.0455
Louisiana - Arkansas, 32 - 36, light straw	.03¼	-	.03⅜
Oklahoma, 28-30	.03	-	—
32-36	.03¾	-	.03⅞
36-38	.03⅝	-	.03⅞
38-40 zero, 60 e.p.	.03¾	-	.04
Fusel (see F).			
Gas, Bayonne, bulk	.04	-	—
Gulf Coast, bulk	.03½	-	—
North Texas, bulk	.02¾	-	—
Oklahoma, bulk	.03¼	-	—
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns., lb.	2.75	-	3.10
Bourbon, cns.	2.75	-	3.10
Turkish (see Palmarosa).			
Grapefruit, cns.	1.75	-	1.80
Grapeseed, dms.	.40	-	.45
Ginger, dist., bots.	5.00	-	5.50
Guaiac wood, concrete, bots.	2.50	-	2.55
Haarlem, import, bots. gross	5.00	-	5.50
Hemlock, cns.	1.00	-	1.25
Juniper berry, USP, cns.	1.85	-	2.00
Wood, tech., cns.	.45	-	—
Juniper tar, USP XI, 1,000 lbs., dms.	.53	-	.58
cns.	.55	-	.60
Lard, common, 1, bbls.	.08¾	-	—
2, bbls.	.08½	-	—
extra, bbls.	.09	-	—
1, bbls.	.08¾	-	—
Winter, strained, extra, bbls.,	.09¼	-	—
prime, burning, bbls.	.10	-	—
prime, ined., bbls.	.09½	-	—
Laurel, bots.	4.50	-	4.60
Lavandin, cns., 25 lbs.	2.15	-	2.20
Lavender flower, French 50% ester, cns.	5.25	-	5.30
38-42% ester, cns.	4.00	-	4.05
35-38% ester, cns.	2.75	-	2.80
30-32% ester, cns.	2.50	-	2.60
garden, cns.	.42	-	.45
spike, Spanish, tech, cns.	1.20	-	1.25
dms.	1.15	-	1.20
Lemon, Calif., cns.	3.00	-	—
Mesinna, coppers, cns.	3.10	-	4.00
Terpeneless, Type 1	10.75	-	16.50
Type 2	8.50	-	14.50
Lemongrass, native, cns., dms., lb.	.80	-	.85
Lime, dist., West Indian, cns. lb.	2.75	-	4.25
expressed, cns.	7.25	-	7.50
Terpeneless, Type 1	42.00	-	46.50
Type 2	69.00	-	73.00
Linaloe wood, cns.	1.50	-	1.60

OUTSELLS
ALL OTHER BRANDS COMBINED
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OIL OF LEMON
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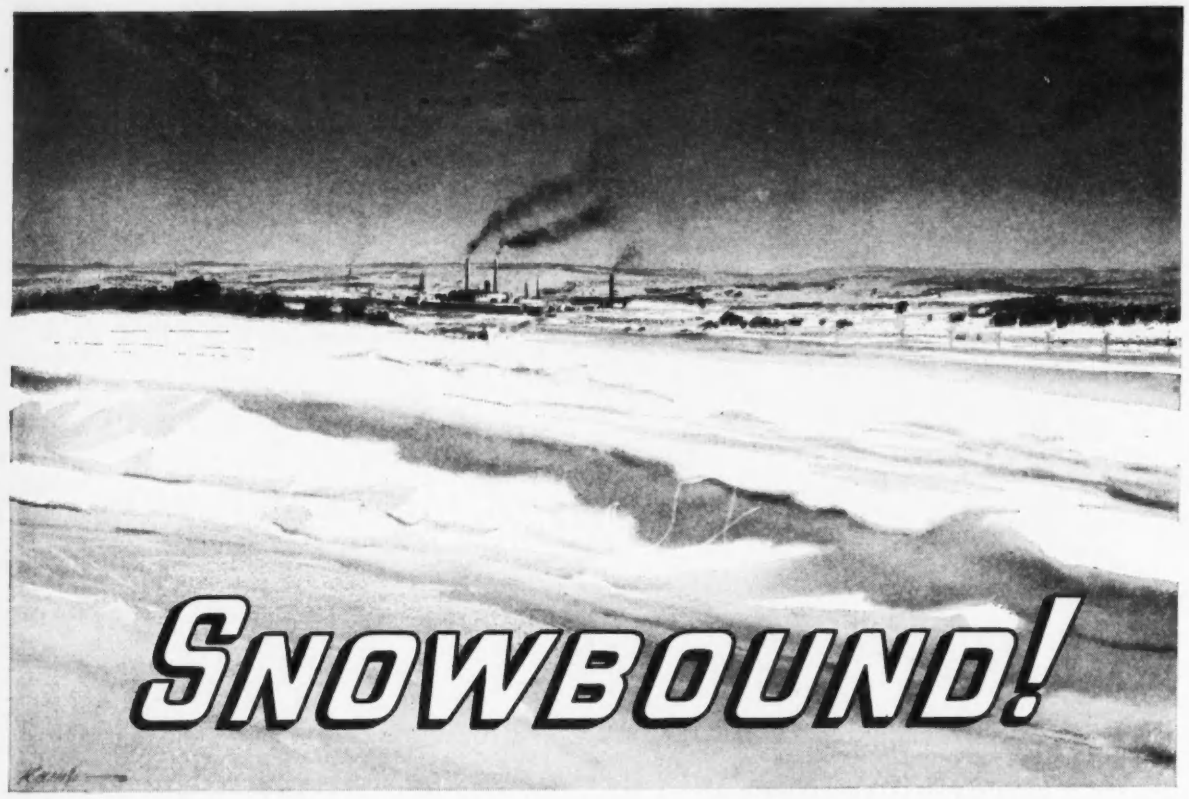
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO. CORONA, CALIFORNIA

Oil, Linseed—Opium

Oil, linseed, raw, bbls., c.l.	lb.	.1060- .1080
l.c.l., 10 to 69	lb.	.1080- .1100
5 to 9	lb.	.1120- —
less than 5	lb.	.1140- —
tanks	lb.	1.000- .1020
Boiled linseed oil .004 cents over raw.		
Lovage, bots.	lb.	41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.	gal.	.20 - —
140 vis., dms.	gal.	.25 - —
green, pale, 750, 900 vis., dms.	gal.	.26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms.	gal.	.26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tank.	gal.	.27 - —
15-25 pour, tanks.	gal.	.24 - —
150-160 D, color 4½, 0-10 pour, tanks.	gal.	.28 - —
15-25 pour, tanks.	gal.	.26 - —
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.27 - —
190-200 D, color 4¼, 15-25 pour, tanks.	gal.	.28 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks.	gal.	.13 - —
180 vis., 5 color, tanks,	gal.	.15½- —
4 color, tanks	gal.	.15 - —
200 vis., 3 color, tanks,	gal.	.16½- —
4 color, tanks.	gal.	.16 - —
250 vis., 3 color, tanks,	gal.	.17 - —
Oil, lubricating, Oklahoma, neutrals, 250 vis., 4 color, tanks.	gal.	.16½- —
280 vis., 3 color, tanks,	gal.	.18½- —
4 color, tanks.	gal.	.18 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.		
Penn., bright, 600, 10-15 pour, tanks.	gal.	.30 - .34
25 pour, tanks.	gal.	.32 - .35
cylinder, 600 fire, tanks.	gal.	.19 - —
600 flash, tanks.	gal.	.23 - —
630 flash, tanks.	gal.	.25 - —
635 fire, tanks.	gal.	.21 - —
650 fire, tanks.	gal.	.22 - —
Warren, E, amber, tanks,	gal.	.25 - —
E, neutral, 150 vis., 3 color, tanks.	gal.	.27 - .31
180 vis., 3 color, tanks.	gal.	.30 - .33
200 vis., 2 color, tanks.	gal.	.31 - .37
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.30 - —
unfiltered, 600 s.r. bbls., f.a.s.	gal.	.25 - —
600 flash, s.r., bbls., c.l.	gal.	.27 - —
630 flash, bbls., c.l., f.a.s.,	gal.	.30 - —
Warren, E., bbls., c.l., f.a.s.,	gal.	.28 - —
smaller lots, f.o.b.	gal.	.29 - —
Mace, dist., cns., dms.	lb.	1.90 - 1.95
Mandarin, superior, coppers.	lb.	6.25 - 6.30
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.36 Nom.
Oil, menhaden, refd., alkali, dms.,	lb.	.0790- —
tanks	lb.	.0730- —
blown, dms.	lb.	.0810- —
kettle-boiled, dms.	lb.	.0910- —
light-pressed, dms.	lb.	.0730- —
tanks	lb.	.0670- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns.	lb.	1.60 - 1.70
dist., natural, bots.	lb.	8.50 - 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.19¼- —
extra, bbls.	lb.	.09 - —
1, bbls.	lb.	.08¾- —
pure, bbls.	lb.	.14¼- —
prime, bbls.	lb.	.09¼- —
sulphonated, common, 25% moisture, dms.	lb.	.10½- —
Neroli, bots.	lb.	100.00 -150.00
Nutmeg, USP, cns., dms.	lb.	1.90 - 1.95
Oiticica, dms.	lb.	.20 - .21
Oleo, 1, bbls.	lb.	.07¾- —
2, bbls.	lb.	.07½- —
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., bbls.	gal.	.93 - .98
edible, bbls.	gal.	2.00 Nom.
foots, dms.	lb.	.08⅜- .08½
sulphonated, 50% (43% fat), dms., c.l.	lb.	.11½ Nom.
l.c.l.	lb.	.12½ Nom.
75% (63% fat), dms., c.l.	lb.	.13½ Nom.
l.c.l.	lb.	.14½ Nom.
80% (68% fat), dms., c.l.	lb.	.14½ Nom.
l.c.l.	lb.	.15½ Nom.
Orange, sweet, dist., cs.	lb.	.90 - —
Expressed, African, cns., dms.,	lb.	1.10 - 1.15
Calif. cns.	lb.	1.60 - —
Florida, cns.	lb.	1.20 - 1.25
Messina, USP, coppers.	lb.	3.00 - 3.75
West Indies, cns.	lb.	2.45 - 2.50
terpeneless	lb.	68.00 -69.00
Oil, origanum, cns.	lb.	1.10 - 1.65
Orris, Florentine, concrete, extra strong, bots.	oz.	5.50 - 6.00
Palm, Niger, cks.	lb.	.05½ Nom.
shipment	lb.	No prices
softs, 12½%, bulk, shipt.	lb.	No prices
20%, bulk, shipt.	lb.	No prices
Sumatra, shipt., bulk.	lb.	No prices
Palmarosa, cns.	lb.	2.75 - 3.00
Palmkernel, bulk, shipt.	lb.	No prices
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.06½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
360° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	4.50 - 5.00
Peanut, crude, dom., tanks.	lb.	.06½ Nom.
refd., edible, bbls.	lb.	.09½- .09¾
Pennyroyal, dom., cns.	lb.	3.00 - 3.10
import, cns.	lb.	2.75 - 2.80
Peppermint, natural, cns., dms.	lb.	2.75 - 3.00
redist., USP, cns., dms.	lb.	3.00 - 3.25
Perilla, dms.	lb.	.18½- .19
tanks	lb.	.17¾- .18
Petitgrain, Paraguay, cns.	lb.	1.50 - 1.60
Pimento berry, cns.	lb.	4.35 - 7.25
leaf, cns.	lb.	2.75 - 3.00
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.53 - .56
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.20 - 1.25
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Bost., Provid.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, bbls.	lb.	.17 - .17¼
denat., bbls.	gal.	1.00 - 1.05
Red, dist. or saponif. dms., dlvd.	lb.	.08½- .09¼
tanks, dlvd.	lb.	.08 - —
Rose, artif., bots.	oz.	2.00 - 2.25
natural, coppers.	oz.	5.25 -22.50
Rosemary, Spanish, cns.	lb.	.75 - .80
dms.	lb.	.70 - .75
Rosin, 1st rectfd., dms.	gal.	.50 - —
2d rectfd., dms.	gal.	.52 - —
3d rectfd., dms.	gal.	.56 - —
Rue, bots.	lb.	3.00 - 3.25
Sage, cns.	lb.	2.75 - 3.00
Sandalwood, E. I., USP, cns.	lb.	5.25 - 5.50
Mysore, cns., case lots.	lb.	No prices.
Sardine, crude, tanks, Pac. Cst.	gal.	.38 Nom.
refd., alkali, dms.	lb.	.0790- —
tanks	lb.	.0730- —
kettle-boiled, dms.	lb.	.0910- —
light-pressed, dms.	lb.	.0730- —
tanks	lb.	.0670- —
Sassafras, artif., cns.	lb.	.77 Nom.
dms.	lb.	.75 Nom.
natural, cns., dms.	lb.	1.20 - 1.25
Savin, cns.	lb.	3.15 - 3.20
Savory, cns.	lb.	2.00 - 2.25
Sesame, refd., dom., dms.	lb.	.11½- .11¾
Shingle stain, bbls., c.l., wks.,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.00
Soybean, dom., crude, dms.	lb.	.06⅝- .07⅛
tanks	lb.	.06 - —
refd., dms.	lb.	.08 - .08½
tanks	lb.	.07¼- —
Spearmint, dms.	lb.	2.20 - 2.25
Sperm, bleach, 38° dms.	lb.	.1030- —
45°, dms.	lb.	.0960- —
natural, dms.	lb.	.0910- —
Spruce, cns., dms.	lb.	1.00 - 1.25
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.45 - 1.50
Tall, crude, dms., c.l., works,	ton.	35.00 - —
l.c.l., works	ton.	40.00 -55.00
tanks, works	ton.	25.00 - —
Refined, dms., c.l., works.	lb.	.04 - .05½
l.c.l., works.	lb.	.04½- .05¾
tanks, works.	lb.	.03½- .05
Tallow, acidless, bbls.	lb.	.08½- —
tanks	lb.	.08 - —
Tansy, cns	lb.	6.00 - 6.25
Tar, pine, cm'l, dms., c.l., dlvd. E. cities.	gal.	.26 - —
E. ports	gal.	.25 - —
l.c.l.	gal.	.26 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., dlvd., E. ports.	gal.	.59 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.12½ Nom.
refined, dms.	lb.	.14 Nom.
Tea Tree (see Oil, Ti tree).		
Thyme, NF, red, dms.	lb.	1.35 - 1.40
white, dms.	lb.	1.75 - 1.80
Tung (see Oil, chinawood).		
Ti tree, cns.	lb.	2.30 - 2.80
Turkey red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	7.50 Nom.
Valerian, bots.	lb.	8.00 - 9.00
Vetiver, bots.	lb.	3.50 -15.00
Walnut, crude, dms.	lb.	.15 Nom.
refd., dms.	lb.	.16 Nom.
Whale, refd., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.	gal.	.33 - .34
65-75 vis., dms.	gal.	.40 - .46
80-90 vis., dms.	gal.	.41 - .47
USP, 80-90 vis., dms.	gal.	.44½- .50
95-105 vis., dms.	gal.	.57 - .58
125-135 vis., dms.	gal.	.64½- .65½
140-150 vis., dms.	gal.	.67 - .69
175-185 vis., dms.	gal.	.72½- .73½
200-210 vis., dms.	gal.	.74½- .75½
320-330 vis., dms.	gal.	.78 - .81
335-345 vis., dms.	gal.	.81 - .82
Russian, 80-90 vis., dms.	gal.	.58 Nom.
145-155 vis., dms.	gal.	.76½ Nom.
175-185 vis., dms.	gal.	.80½ Nom.
335-345 vis., dms.	gal.	.89 Nom.
Wintergreen, natural, North, cns.	lb.	4.00 - 8.00
South, cns.	lb.	3.05 - 3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	3.75 - 4.00
Wormwood, cns.	lb.	5.60 - 5.75
Ylang-ylang, Bourb., bots., cns.	lb.	5.75 - 6.50
Manila, bots.	lb.	18.00 -24.00
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis.	ton.	7.00 - —
Spalls, same basis.	ton.	5.00 - —
ground, 325 mesh, c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines.	ton.	17.00 - —
100 mesh, c.l., mines.	ton.	15.00 - —
20 mesh to dust.	ton.	12.00 - —
Opium USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50



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SKELLYSOLVE *in the* OIL, PAINT *and* DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for every laboratory and industrial use. We furnish a complete line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved of great value. Write or wire for full information today.

A USER of solvents in a northern city was once forced to shut down because heavy snowstorms made it impossible to get tank cars switched into the plant. Each winter since then had been overshadowed by the dread possibility of a repetition of this costly experience.

Then Skelly entered the picture, and the problem was solved. Each fall we place an emergency stock of Skellysolve in our bulk plant located in that city. In case of a severe storm crippling railroads and interfering with switching, there is a reserve supply of solvent in our bulk plant ready for quick local delivery to keep the customer's plant in operation, a constant protection against costly shutdown.

Of course, snowstorms may not be your problem. But undoubtedly there are times when *dependability of supply* is just as important to you as it is to the firm indicated above. Skelly has many *different* ways of assuring you of this *dependability*.

The quality of the product is important, too, of course! But it's in going *beyond* this point that Skelly has built its reputation. No service has proved itself until it has demonstrated its ability to *function in emergencies!* Solving intricate technical problems for users, sending out trained "trouble shooters" when unforeseen difficulties develop . . . that's how Skellysolve has given meaning to the familiar phrase: "Dependable Skelly Service!"

So . . . no matter what type of solvent you are now using, take the time to investigate Skellysolve!

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.

A. Ernest MacGee, *Manager*

WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¾- —
Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points	lb.	.11 - —
smaller lots, dlvd., Ala., etc.	lb.	.11¾- —
Ariz., etc	lb.	.12¼- —
Colo., Mont., N. M., Wyo.	lb.	.12 - —
Other points	lb.	.11½- —
Mineral, French, Tours, casks, ex dock	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.50 - .65
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.17 - .19
Orris root, Florentine, bgs.	lb.	.11 - .14
fingers, cs.	lb.	1.25 - 1.30
powd., bbls., bxs.	lb.	.15 - .16
Verona, bls.	lb.	.11 - .14
powd., bxs., cs.	lb.	.15 - .16
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis	lb.	.16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 - —
l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis.	lb.	.08 - —
50-lb. tins, same basis.	lb.	.09 - —
tanks, same basis.	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.,	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.05

P

Papain, powd., cs.	lb.	1.50 - 1.60
Paprika, Hungarian, extra fancy, bgs.	lb.	.33 - .34
medium, bgs.	lb.	.29½- .30
Portuguese, extra fancy, bgs.	lb.	.31½- .32
fancy, bgs.	lb.	.30½- .31
Spanish, extra fancy, cs.	lb.	.36 - .37
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.06½- .06¾
bbls., c.l., N.Y.	lb.	.07 Nom.
Paraffin, crude, scale, white, 124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.06¾- .06⅞
bbls., c.l., N.Y.	lb.	.07 Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.07 Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.0660- —
loose, c.l.	lb.	.0625- —
125-127 A.m.p., bgs., c.l.	lb.	.0675- —
loose, c.l.	lb.	.0640- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0680- —
131-133 A.m.p., bgs. or loose, c.l.	lb.	.0705- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0730- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0755- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0830- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0926- —
151-153 A.m.p., bgs., or loose, c.l.	lb.	.70 Nom.

Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 110-112 bbls. c.l.	lb.	.06¼ Nom.
semirfd., solid., 122-124 A.m.p., bgs.	lb.	.06½ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis	lb.	.35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works.	lb.	.11¼- —
5 and 10-gal. dms., works.	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranisidine, dms.	lb.	.75 - —
Paranitroanilin, kgs., works.	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.21 - .22
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.07 - .08
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.28 - .29
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11¼- —
l.c.l., G.3.	gal.	.16 - —
tanks, G.3.	gal.	.08¼- —
laboratory grade, dms., c.l., G.3.	gal.	.14 - —
l.c.l., G.3.	gal.	.25 - —
Pepper, black, Aleppey, bgs.	lb.	.08¼- .08⅝
Lampong, bgs.	lb.	.0435- .0455
Tellicherry, bgs.	lb.	.08¼- .08⅝
Red, chillies, Japan, Hontaka.	lb.	.21 - .21½
Mombassa, bgs.	lb.	.40 - .41
White, Java, Muntok, bgs.	lb.	.07⅝- .08¼
Saigon, bgs.	lb.	.07½- .08
Peppermint leaves, dom., bls.	lb.	.35 - .36
import, bls.	lb.	.45 - .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis.	lb.	.08¼- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08¼- —
l.c.l., same basis.	lb.	.09 - —
Perchlorethylene, Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis.	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
l.c.l., same basis.	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Mo., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	1.10 - 1.15
Petrolatum, amber, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05 - —
amber, extra, dms.	lb.	.04¼- —
l.c.l.	lb.	.05¼- —
veterinary, dms., c.l.	lb.	.03⅝- —
white, cream, dms., c.l.	lb.	.06 - —
l.c.l.	lb.	.07½- —
lily, dms., c.l.	lb.	.07 - —
l.c.l.	lb.	.08½- —
snow, dms., c.l.	lb.	.08 - —
l.c.l.	lb.	.09½- —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.63 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.00
Lima	bbl.	.90 - —
Michigan	bbl.	.82 - 1.02
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.02 - 1.10
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford-Allegany	bbl.	2.75 - —
Corning	bbl.	1.17 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.70 - —
Eureka lines	bbl.	2.34 - —
N. Y. Transit lines,	bbl.	2.75 - —
S. W. Penn lines	bbl.	2.40 - —
lower district in National Transit lines.	bbl.	2.63 - 2.75
Rocky Mountain	bbl.	.51¼- 1.30
South Central and Southwestern Texas.	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .95
West Texas	bbl.	.53 - .95
Ether, 30-60° dms., c.l., G.3,	gal.	.14½- —
l.c.l., G.3.	gal.	.25½- —
tanks, G.3.	gal.	.13½- —
35-60°, dms., l.c.l., G.3.	gal.	.30½- —
40-75°, dms., c.l., G.3.	gal.	.14½- —
l.c.l., G.3.	gal.	.25½- —
tanks, G.3.	gal.	.13½- —
laboratory grade, dms., c.l., G.3.	gal.	.14½- —
c.l., G.3.	gal.	.25½- —
10-gal. lots, G.3.	gal.	.50½- —
lacquer, diluent, at refinery:—		
California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11½- —
f.o.b. Richmond.	gal.	.11 - —

Orange, Lake—Pet. Solvent

Petroleum, lacquer diluent, at refinery, Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
East Coast, tanks.	gal.	.09½- .10
Group 3, tanks.	gal.	.07⅝- .08
Naphtha, cleaners', at refinery:—		
East Coast, tanks.	gal.	.09 - .10¼
Group 3, tanks.	gal.	.06¾- .07
tankwagon, Boston, ex tax.	gal.	.13½- —
Bridgeport	gal.	.13⅜- —
Chicago, inc. 4c. tax.	gal.	.18 - —
Decatur, inc. 4c. tax.	gal.	.1910- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.15 - .16
Milwaukee, inc. 5c. tax,	gal.	.2080- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Newark, ex tax.	gal.	.10½- —
New York, ex tax.	gal.	.10¼- —
Omaha, ex tax.	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax.	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.15½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums,	gal.	.10 - —
milk cans	gal.	.21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.18 - —
2, over 90% arom., same basis.	gal.	.19 - —
3, same basis.	gal.	.20 - —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.15¼- —
30, same basis.	gal.	.16¼- —
40, same basis.	gal.	.16½- —
v.m.&p., at refinery:—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond.	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10 - —
San Francisco.	gal.	.10¼- —
Portland, Seattle.	gal.	.11 - —
East Coast, tanks.	gal.	.09¼- —
Group 3, tanks.	gal.	.06¾- .07
tankwagon, Boston, ex tax,	gal.	.14½- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —
Evansville, Ind., ex tax,	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2080- —
Minneapolis-St. Paul, inc. 5c. tax.,	gal.	.20 - —
Newark, ex tax.	gal.	.11½- —
New York, ex tax.	gal.	.10¼- —
Omaha, ex tax.	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06¾- .07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06¾- .07

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Pet. Solvent—Potash Xanth.

Petroleum, solvent, Stoddard (CS 3-38), at refinery:—
East Coast, tanks....gal. .08¾- .09⅛
Group 3, tanks....gal. .06¾- .06⅛
tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax....gal. .09½- —
New Orleans, ex tax...gal. .11 - —
New York, ex tax....gal. .09½- —
Omaha ....gal. .1360- .14½
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax....gal. .10½- .11⅛
Thinners, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks, f.o.b. Los Angeles..gal. .15 - —
Portland, Ore....gal. .16 - —
Richmond ....gal. .14½- —
Seattle, Wash....gal. .16½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore..gal. .10¼- —
Richmond ....gal. .10 - —
Southern Calif....gal. .09¼ —
Petroleum, thinners, 290 i.b.p., 300 e.p., f.o.b. El Segundo, gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond ....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .08¾- .09⅛
47-49, tanks....gal. .10¼- —
New Jersey, tanks....gal. .09 - —
Group 3, tanks....gal. .08¾- .06
tankwagon, tax included:—
Albany ....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals....gal. .16 - —
Boston ....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn....gal. .11½- —
Buffalo ....gal. .15½- —
Camden, N. J....gal. .10 - .11½
Chicago ....gal. .1670 - —
Decatur ....gal. .1810 - —
Des Moines....gal. .1790 - —
Evansville, Ind....gal. .1420 - .1520
Milwaukee ....gal. .1930 - —
Minneapolis-St. Paul...gal. .19¼- —
Newark ....gal. .09½- —
New York (200 gals.)..gal. .09½- —
Omaha ....gal. .1360- .1460
Philadelphia ....gal. .12½- —
Pittsburgh ....gal. .11½- .13½
Providence ....gal. .12 - —
Rochester ....gal. .12½- —
St. Louis....gal. .1470- —
Syracuse ....gal. .13 - —
Trenton ....gal. .10½- —
Wilmington, Del....gal. .12½- —

Phenobarbital, 5-lb. bots....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis....lb. .13¾- —
under 1,000 lbs....lb. .14¾- —
tanks, works....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms....lb. .82 - —
25-lb. dms. ....lb. .87 - —
50-lb. kgs. ....lb. .84 - —
Phenyl chloride, dms....lb. .17 - —
Phenylacetaldehyde, bots....lb. 2.10 - 2.50
Dimethylacetate, cns....lb. 14.50 -15.00
Phenyl ethyl acetate, cns....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works....lb. 2.25 - —
Phloroglucinol, CP, tins, works..lb. 20.00 -22.00
tech., tins, works....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
land pebble, 70% min., bulk, mines..long ton. 2.15 - —
Phosphate rock, Fla., hard, land pebble, 72% min., bulk, mines..long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs....lb. .40 - .44
yellow, dms....lb. .18 - .20
cases ....lb. .23 - .26
Oxychloride, cyls....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works....lb. .13 - .14
Sesquisulphide, cs....lb. .38 - .42
Trichloride, cyls....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works....lb. .40 - —
kgs., works....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss R..lb. .14½- —
l.c.l., same basis....lb. .15½- —
Pichi leaves, bgs....lb. .15 - .16
Pilocarpine hydrochloride, bots., vls..oz. 4.00 - 4.25
Nitrate, bots., vls....oz. 3.90 - 4.15
Pimento, bgs....lb. .15⅝- .16
Pinaroot, bls....lb. .36 - .37
vls..oz. 4.00 - 4.25
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. ....ton. 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms....lb. .05 - .06¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls ....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. ....lb. .07 - .07⅛
Pomegranate bark, bgs....lb. .52 - .53
Root bark, bgs....lb. .47 - .48
Poppy flowers, red, bls....lb. 1.00 - 1.15
Seed, Dutch, bgs....lb. .13½- .14
Hungarian, bgs....lb. .14 - .14½
Potash abietate....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd....lb. .28 - —
USP, bbls., 250 lbs....lb. .28 - —
kgs., 100 lbs....lb. .30 - —
cns., 25 lbs....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
dem., 50 lbs....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
kgs., 100 lbs....lb. .17 - —
gran., bbls., 250 lbs....lb. .15 - —
kgs., 100 lbs....lb. .17 - —
Bichromate, spot, c.l., works, lb. .08⅜- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06¼- —
l.c.l., same basis....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03125- —
tanks, same basis....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs....lb. .19 - —
kgs., 100 lbs....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. ....lb. .07¼- .07½
Import, dms....lb. No prices
liquid, 45% basis, dms....lb. .03½- .03¾
tanks ....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¾- —
l.c.l. ....lb. .06½- .06¾
import, dms....lb. No prices
Chlorate, cryst., kgs....lb. .10½- .13
gran., kgs....lb. .12 - .14½
powd., kgs....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs....lb. .34½- —
cns., 50 lbs....lb. .35½- —
cns., 25 lbs....lb. .37½- —
Cyanide, cns., dms....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb lots...lb. 1.00 - —
100-lb. lots....lb. 1.10 - —
50-lb. lots, cbys, or cns. lb. 1.15 - —
25-lb. lots, cns....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs....lb. .75 - —
Iodate, bots., 5 lbs....lb. 3.31 - 3.35
cns., 25 lbs....lb. 3.20 - —
Iodide, bbls., 250 lbs....lb. 1.35 - —
bots., or cns....lb. 1.44 - 1.70
dms. ....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. 17.55 - —
Metabisulphite, kgs....lb. .18 - .20
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports....ton. 26.75 - —
basis 60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports, ton. 32.10 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls....lb. .38 - .45
Yellow, bbls....lb. .15 - .16
Ricinoleate, tech., bbls....lb. .13 - —
Silicate alkaline, lump, bgs..lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .18 Nom.
kgs., 100 lbs....lb. .20 - —
powd., bbls., 350 lbs....lb. .19 Nom.
kgs., 100 lbs....lb. .21 - —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports..ton. 36.25 - —
Xanthate, dms., c.l....lb. .13 - —
l.c.l. ....lb. .13½- —

25 Years of PHENOL U. S. P. Production

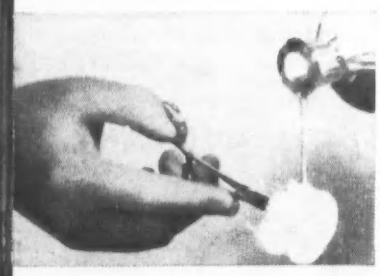
CAN YOU LOOK BACK 25 years? Do you remember, long before the era of the "talkies," when the moving picture sensation of the hour was "The Birth of a Nation"? That was in 1915, the year of the Panama-Pacific International Exposition at San Francisco; also the year when Dow started the manufacture of synthetic phenol.

The original phenol plant Dow built to supply phenol for medicinal and industrial uses became obsolete as the demand increased through the expanding use of phenol in the manufacture of salicylates and industrial products.

This led in 1922 to the development by Dow of an entirely new process and the erection of the largest plant in the world for the manufacture of synthetic phenol.

The growth of Dow phenol production is due to the fact that leading makers of antiseptic, germicidal, and deodorizing preparations for the drug trade and disinfectants for sanitary, medicinal, and surgical purposes regard Dow Phenol, U.S.P. as the preferred product.

Dow Phenol, U.S.P., is water white; has a congealing point of 40° C. Shipped in 25-gal. drums (galvanized); 29-gal. drums (tinned); and 55-gal. drums (galvanized).



DOW

PRODUCERS OF OVER 300 CHEMICAL PRODUCTS

THE DOW CHEMICAL COMPANY
1790 EAST MAIN STREET, MIDLAND, MICHIGAN
Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis; Field Building, Chicago; 9 Main St., San Francisco; 4151 Bandini Boulevard, Los Angeles

Potash-magnesia sulphate, 48-53%, min. 48%. bgs., shipt., ton.24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .15 - .17
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 - .32
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works....lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works.....lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock, N. Y..ton.39.00 Nom.
l.c.l., 5-29 tons, ex whse., ton.44.00 Nom.
1,000-10,000 lbs., ex whse..ton.46.00 Nom.
2 bgs., to 1,000 lbs., ex whse, ton.48.00 Nom.
single bgs., ex whse.ton.60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 6.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal.10.65 -11.00
Pyrethrum flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh., c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis....ton.10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd. N.Y...flasks.154.00 -160.00
European, flasks (76 lbs. net), in bond..flask.158.00 - —
Quince seed, bgs.....lb. 1.00 - 1.25
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. .95 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .58 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .79 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns....oz. .79 - —
Hydriodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Sulphocarbolate, cns.....oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —
Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .08 - .08½
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .06¾- .07
Raspberries, dried, bls.....lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis.lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs, lb. 5.00 - —
dms., 500-lb. lots.....lb. 4.85 - —
100-lb. lots.....lb. 4.95 - —
Crocus marts (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.10 - —
open order.....lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contrs...lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 2.41 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —
shell, dom., cs., works.....lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y.....lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs., same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04⅞- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05⅝- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 2.46 - 2.55
Red dyes are listed under Dyes.
Red precipiate, N. F., powd., fib. dms., 50 lbs. or more...lb. 2.66 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works.....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.55 -10.90
Rhubarb, bots.....lb. .55 - .60
powd., bbls., kgs.....lb. .60 - .65
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .21¾- —
smaller lots.....lb. .22¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .20¾- —
smaller lots.....lb. .21¼- —
Rose flowers, pale, bls.....lb. .55 - .60
red, bls.....lb. 3.50 - 3.55
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .07 - .08
Rosin, gum, bbls., ex dock, 280 lbs. 5.75 - —
D, bbls.....280 lbs. 6.00 - —
E, bbls.....280 lbs. 6.30 - —
F, bbls.....280 lbs. 6.40 - —
G, bbls.....280 lbs. 6.60 - —
H, bbls.....280 lbs. 6.65 - —
I, bbls.....280 lbs. 6.70 - —
K, bbls.....280 lbs. 6.75 - —
M, bbls.....280 lbs. 6.80 - —
N, bbls.....280 lbs. 6.80 - —
W. G., bbls.....280 lbs. 6.90 - —
W. W., bbls.....280 lbs. 7.45 - —
X, bbls.....280 lbs. 7.45 - —
Rosin, wood, bbls.....280 lbs. 4.60 - 6.25
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines.....ton.37.50 Nom.
Rue, bgs.....lb. .14 Nom.
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.37.00 -38.00
Sage, Dalmatian, stemless.....lb. .09¼- .09⅝
garden, bls.....lb. .10¼- .10⅝
Safrol, cns.....lb. .72 - .77
dms.....lb. .70 - .75
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y.ton.15.30 - —
l.c.l., dlvd., N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.130.00 -132.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras,bls.lb. .40 - .41
Mexico, bls.....lb. .17 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bbls.....lb. .15 - .16
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin., lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .16¾- —
smaller lots.....lb. .17¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots.....lb. .17¾- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, bls.....lb. .80 - .85
Senna leaves, Alexandria, half leaf, bls.....lb. .15 - .16
siftings, bgs.....lb. .14 - .15
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .78 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N. Y..lb. .25 - .28
dlvd. Boston.....lb. .25½- .26½
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
refd., bbls., f.o.b., N.Y.....lb. .31 - .32
dlvd. Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .19 - .20
Orange, D.C., VSO., Diamond I, cases..lb. .32 - .33
Superfine, bgs., f.o.b. Bost., N. Y..lb. .20 - .21
dlvd., Chicago.....lb. .20½- .22½
Pacific Coast.....lb. .23 - .24
T.N., bgs., f.o.b. Bost., N. Y., lb. .19 - .20
dlvd., Chicago.....lb. .19½- .20½
Pacific Coast.....lb. .22 - .23
Varnish, Metro., area, orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l.,works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
96-98%, 325 mesh, bgs., l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works.ton.23.00 - —
90%, 325 mesh bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. 26¾- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra bark, bls.....lb. .33 - .45
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Blue, cnts.....lb. .07 - .08¼
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00

Potash-Mag., Sulph.—Soda Caus.

Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .23 - .27
crushed, bls., bbls.....lb. .27 - .31
cut, bls., bbls.....lb. .35 Nom.
powd., bbls.....lb. .32 - .33
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works, lb. .71 - .95
Antimoniate, bbls.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers, works..lb. .08 - .11
l.c.l., dms., works.....lb. .09½- .11½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.58 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., works..100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; Texas, E. of 100° Meridian and S. of 31° parallel; La., Miss., Ala., South of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport), Ga., Minn., Mo. (except St. Louis) N. and S.C. and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 93° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wyo.
Benzoate, tech., bbls., 4,000 lbs., or more..lb. .30 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works.lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- 12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
85 degs., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
solut., 44 deg., bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bbls., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda sal)
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.20 - —
l.c.l. same zone prices as ammonia process.

Soda Caustic—Tributyl Phos.

Soda caustic, liquid, 47-49% buyers' tanks, works..100 lbs. 1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .09¾- —
Citrate, USP, VIII, gran., bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 46% gold, bots., works..oz.15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd...100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea bags, c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 - 3.25
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots. .....lb. 2.41 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.80 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhy., dms., c.l., wks., frt. equal'd..100 lbs. 3.75 - —
15 dms. and over dlvd., N.Y. 100 lbs. 4.65 - —
3-14 dms., same basis..100 lbs. 4.80 - —
1-2 dms., same basis...100 lbs. 5.05 - —
gran., bbls., c.l., works.....lb. 2.35 - —
10 bbls. and over, dlvd., N. Y. lb. 3.10 - —
1-9 bbls., dlvd., N. Y.....lb. 3.35 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., wks., frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. price range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single, bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bxs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
Soda, phosphate, monobasic, anhyd., bgs., c.l., works, 100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l. works..100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.70 - —
bbls., l.c.l. Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and Caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd., N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4 works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4 works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import, bbls.....lb. .05¾- .06¼
Stannate, dms.....lb. No prices
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.35 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .32 - —
tanks, E. of Omaha, frt., alld., gal. .27 - —
W. Coast, f.o.b., Minnequa, Colo..gal. .27 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15¼- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .14½- —
l.c.l., works.....lb. .14½- —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .26 - .27
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works .....lb. .01¾- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .15 - .16
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .09 - .11
inedible, bls.....lb. .07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.60 - —
dlvd., N. Y.....100 lbs. 2.85 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 2.60 - —
dlvd., N. Y.....100 lbs. 2.85 - —
Potato, dom., bgs.....lb. .06¼- —
import, bgs.....lb. .06½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Sweetpotato, bgs.....lb. .05½- .06
Wheat, thick, boil, bgs.....lb. .05½ Nom.
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .25 - .30
Stearin, oleo, bbls.....lb. .06¾- .07
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .17 - .18
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100%, precip., bbls, lb. .23 - —
Chloride, bbls.....lb. .18 - —
Iodide, bots., 5 lbs.....lb. 3.00 - —
jars, 25 lbs.....lb. 3.06 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.40 - 3.50
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .80 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .82 - —
Strychinine, arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25 - oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots, oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .65 - 1.05
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.65 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk., f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
ex vessels, Atlantic seaboard, contract..long ton.20.50 - —
Puget Sound, Columbia River, and British Columbia ports, bulk, contract..long ton.22.00 - —
flowers, bgs., c.l., works..... 100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works..100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works...100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works...100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.03 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99½%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l..... 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works, lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s..ton.82.00 - —
leaf, bls., f.a.s.....ton.85.00 - —
Extract, 42°, bbls.....lb. .06 - —
51°, bbls.....lb. .07 - —
stainless, bbls.....lb. .07½- .09½
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .0460- .0490
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Baltimore, ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .70 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 825 c.l., mills..ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
fibrous, 90.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -35.00
Italian, 1, bgs., ex dock, arrival, ton.67.00 -70.00
ex whse.....ton.75.00 -78.00
2, bgs., ex dock, arrival.ton.64.00 -67.00
Tallow, animal, edible.....lb. .06 Nom.
extra, loose.....lb. .05¾- —
special, loose.....lb. .05¼- —
vegetable, ship, cs.....lb. .06 Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾ Nom.
l.c.l. .....lb. .04¾ Nom.
50% (43% fat), dms., c.l., lb. .05¼ Nom.
l.c.l. .....lb. .06¼ Nom.
50% (48% fat), dms., c.l..lb. .05¾ Nom.
l.c.l. .....lb. .06¾ Nom.
Tamarind, W. I., bbls.....lb. .08 - .09
kegs .....keg. 6.00 - 8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 3.25 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.50 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 3.50 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Jan. shipt..unit-ton. 3.60 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .02¾- .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms. .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, cns.....lb. 2.10 Nom.
Sodiosalicylate, cns.....lb. 1.85 - —
dms. .....lb. 1.70 - —
5-lb. bots.....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs.. works..lb. 2.00 - —
Thyme, French, bls.....lb. .20½- .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. .45 Nom.
Crystals, bbls., kgs.....lb. .36½ Nom.
Metal, Straits.....lb. .46⅛ Nom.
Oxide, bbls.....lb. .52 - —
Tetrachloride, anhyd., bbls...lb. .23½- —
Titanium, dioxide, bgs., c. l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd. lb. .13¼- —
5 tons, E. frt. pd., Pac. Cst., ex whse..lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd. lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
bbls., c.l. (20 tons), frt. pd., lb. .13¼- —
l.c.l., 5 tons, E. frt. pd., lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk-reestant, bgs., c.l., (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd..lb. .15½- —
50-999 lbs., frt. pd..lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
barium or magnesium base, bgs., c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse..lb. .06½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. cst., ex whse.....lb. .06¼- —
under 50 lbs., E., dlvd....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E., dlvd.....lb. .06¼- —
Pac. cst., ex whse.....lb. .06½- —
under 50 lbs., E. dlvd....lb. .06¾- —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .85 - .90
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld. gal. .26½- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .55 - .60
root, bls.....lb. .57 - .62
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. 1.06 - 1.10
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .85 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48

Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .05 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal.

Tricresyl phosphate, CP., cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½

Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —

Triethylamine, dms., l.c.l., works, lb. 1.05 - —

Triethyl phosphate, dms., dlvd., lb. .45 - —

Triethyleneglycol, dms., l.c.l., works..lb. .26 - —

Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —

Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —

Triphenyl phosphate, dms.....lb. .38 - —

Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —

Trisodium phosphate (see Soda phosphate, tribasic).

Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices

Turmeric root, Alleppey, bgs..lb. .09½ Nom.
Madras, bgs.....lb. .11 Nom.

Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .34½- —
l.c.l., 10 ex dock.....gal. .36½- —
5 ex dock.....gal. .38½- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .26 - .28
tanks, dlvd. E. cities....gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

Unicorn root, false (see Helonias root)
True (see Aletris root).

Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —

Urea, dom., 46+% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.95.00 - —
5 tons, f.o.b. Boston, New York, Newark, Philadelphia, Wilmington, Del.ton.95.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.101.00 - —
any quantity, f.o.b. Belle, W. Va..ton.95.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs.....lb. .13 - —

Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —

Urea nitrogen, dom., 42% N_2, bulk, Jan. shipt., f.o.b. Belle, W. Va..ton.67.40 - —

Urea, nitrogen, imported, 40% N_2, bgs., Jan. shipt..ton.56.25 - —
30% N_2, bgs., Jan. shipt., ton.42.55 - —

Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .30 - .35
Valonia, beards, bgs., f.a.s..ton.54.00 Nom.
Cups, bgs., shipt., f.a.s...ton.38.00 -40.00
extract, powdered, 63%.....lb. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 6.50 - 7.00
Mexican, tins.....lb. 6.50 - 7.50
cuts, tins.....lb. 6.00 - 6.25
South American, tins.....lb. No prices
oleoresin: bots.....lb.18.00 -19.00

Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —

Venice turpentine, true, cs.....lb. .70 - .75

Verdigris, bbls., kgs.....lb. .22 - .23

Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .26 - —

Violet, methyl, toner (see M).

V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree .....lb. .19 - .22

Wattle bark, bgs., f.a.s.....ton.37.00 -39.00
Extract, solid, bgs.....lb. .04¼- —

Wax, bayberry, import, bgs...lb. .25 - .26
Bees, white, bleach, slabs, cs., 5 case lots..lb. .38 - —
1 cs, lots.....lb. .38½- —
cakes, 5 cs., lots.....lb. .39 - —
1 cs., lots.....lb. .39½- —
discs, 5 cns., lots.....lb. .40 - —
1 cs., lots.....lb. .40½- —
yellow, crude, Africa, 10-bg. lots..lb. .28 - .28½
1 bg.....lb. .28½- .29
Brazil, bgs., 5-10 lots....lb. .27 - .27½
1 ton.....lb. .27½- .28
500 lbs.....lb. .28 - .28½
100 lbs.....lb. .28½- .29
refd., slabs, cs., lbs.....lb. .31 - .36

Candelilla, bgs., 1 ton.....lb. .18 - .18½
jobbing lots.....lb. .18½- .19

Carnauba, No. 3 chalky, bgs., 1 ton..lb. .45 - .46
5 bgs.....lb. .45½- .46½
1 bg.....lb. .46 - .47
N. C., 2, bgs.....lb. No prices.
N. C., 3, bgs., 1 ton.....lb. .48 - .49
5 bgs.....lb. .48½- .49½
1 bg.....lb. .49 - .50
refined, bgs.....lb. .53 - .54
yellow, No. 1 bgs., 1 ton....lb. .73 - .74
5 bgs.....lb. .73½- .74½
1 bg.....lb. .74 - .74½
No. 2, bgs.....lb. .71 - .72

Ceresia, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1-ton.....lb. .13½- .14
jobbing lots.....lb. .14½- .15
Japan, cs.....lb. .16½- .17

Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices

Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices

Paraffin (see P.).

Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs.....lb. .24 - .25

White lead (see Lead, white).

White pine bark, rossed, bls...lb. .07 - .08

White preciciptate, powd., 5-lb. bots..lb. 2.47 - —
dms., 50 lbs. or more.....lb. 2.34 - —

Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., work.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet.-grnd., blp., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, blp., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.50
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00

Whiting Paris, white, blp., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50

Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —

gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —

extra bgs. (extra), c.l., works, ton.12.50 - —
extra, bgs., l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —

putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —

water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —

precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —

Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11

Wild indigo root, bgs.....lb. .13 - .14

Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09

Witherite (see Barium carbonate, natural).

Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices.
100 mesh, bgs., ex dock...ton. No prices.
120 mesh, bgs., ex dock...ton. No prices.

Wormseed, American, bgs.....lb. .08 - .09
Levant, bgs.....lb. 5.00 - 6.00

Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works, gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —

—Continued on page 38

Announcement

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Official Advice Is Safer

The recently published suggestions of the Food and Drug Administration for warning statements on drug labels designed to meet the new statutory requirements are not a regulation in the sense of the law; they are not binding upon anyone. But, advice that these sample warnings may be ignored on an opinion that they contain unnecessary language is considered by the administration to reflect a rather superficial conception of a manufacturer's duties under the law.

The food, drug, and cosmetic law does not define the language of the warning statements which it requires on certain drug labels. It does not even definitely specify when such statements must appear on a label. The law provides only that, wherever necessary, a drug label must bear a statement which will adequately forewarn the user against any untoward results of taking the drug. The criterion of such statements is their adequacy; not their phraseology. As there is no statutory definition of "adequate" this must be determined by the courts, and the determination will be made with due consideration for the relevant views of the enforcement agency.

The Food and Drug Administration has accepted, at least for the time being, certain forms of warning statements with respect to a number of drugs. It has made these forms public for the guidance of manufacturers or other distributors who are required by the law to put warning statements on their labels. As the administration has the first say as to what these statements shall convey, it is nothing but common sense to follow the advice of that official, determining body. To do otherwise is to take a chance.

Nobody is compelled to accept and follow the advice of anybody, even that of the courts. But, refusal to follow official advice, administrative or judicial, carries with it the possibility of punishment. This possibility is not lessened by the fact that somebody else's advice was followed. Everybody gives advice—usually in inverse ratio to his qualifications—but even where learned counsel is involved it is safer and saner to choose that advice which is official.

Outsiders Block Bargain

Various claims are being made by advocates of protection for domestic industries for credit for the failure of the negotiations of a tariff bargain between the United States and Argentina. These claims are not without warrant, especially those which refer to the fight for domestic flaxseed and cattle interests against the possible reduction of import duties on Argentine seed and meats. But, thorough analysis of the decline and fall of the negotiations shows that external influences were the deciding factor.

It is true that the meat industry in Argentina stood to gain much by the effecting of a tariff bargain with the United States—if that industry could have its way and its say in the terms of the agreement. It is true that the United States Department of State was considerate of the domestic meat industry and for this reason held out for the setting up of quotas on imports to be admitted to this country under such reduced duties as might be determined. The fight against completely letting down the bars against Argentine flaxseed was in many ways similar in respect of private and official attitudes to that with respect to meats. But, there is rather clear evidence that the Argentine tariff bargain was beaten in Argentina, not in the United States.

Many commenters are blaming Great Britain for the defeat of the Argentine tariff bargain. There is much reason for this: Argentina has had a very substantial market for its meats in Great Britain. The developing of that market was in some part the achievement of British interests whose chief concern was for the maintenance of a financial exchange status that would be favorable to the exporting of British goods to Argentina, unfavorable to United States exports.

The British and Argentine interests, it appears, worked together in the publication of propaganda in the Argentine press and in the application of influence in governmental circles to prevent the extension to American goods of parity with those of other countries, especially Great Britain, in which there are markets for Argentine meats.

—O-P-D—

It's an International Game

Meats, although of much importance, are not the only commodities for which Argentina needs large export markets. Many of the other commodities, even without considering flaxseed, could be marketed in the United States. For this reason the proposal of a tariff bargain between the two countries had a primary appeal that was widespread in Argentina, more so in fact than in this country.

Big business is the same in all countries. And when to the opposing attitude of the Argentine meat industry was added the influence of big interests in Great Britain and other European countries which have worthwhile markets in the South American country, popular demand was sacrificed to expediency.

If the government of the United States were as commercially minded as are the governments of other countries which are always quite ready to brand this country as a nation of dollar-chasers, and if the business interests of this country had as intimate a part of the foreign affairs of the government as is common in other countries, the slogan of Argentina's biggest business, "Argentina must buy from those who buy from her," would be applied with "reverse English" to the detriment of Argentina in these days when that country and many others are turning to the United States because their customary suppliers are not in position to sell to them.

—O-P-D—

Paternalism or Fraternalism

In these days of semantic phraseology when any designation is given only the particular meaning which those who use it desire to convey, there is far less in a name than there was when it was classically asked what the designation, "rose," had to do with the odor of a particular flower. Isms are many things, and each of them has a variety of meanings. But, some meanings are fundamental—much as they may be twisted.

"Paternalism" is a much-used and somewhat abused word; so is "fraternalism." Subjected to logical and thorough analysis, the latter is the more preferable, and it should be selected as the ism to lead this nation and its business out of their perplexities.

There has been too much trend to adopt paternalism as a national policy—the term in this instance being applicable to the relationship of the government to the people. In every group there has been an increasing tendency to "live off the old man." Unfortunately "the old man" is not a wealthy father. He has not an old-age pension or security compensation with which to support even himself.

The support of "the old man" of government has always been a filial obligation. This obligation has become exceedingly burdensome now that so many prodigal or merely lazy or shiftless "brethern" must also be supported. It is time that the hard-working "sons" called a family conference and insisted upon one of the tenets of the real originals of American democracy—he that will not work shall not eat at our expense.

This may seem to be a severe decision, but it need not be, because the hard-working "sons" who have been supporting their shiftless "brethern" can provide work which will enable the latter to become self-supporting. It may not be possible to give a full workweek of employment to all employables who are now unemployed; and that is where the application of real fraternalism comes in. Those who have work, as well as those who have employment to offer, must construct and apply a plan of share the work which will give those who are unemployed a means of livelihood.

Some thousands of those now unemployed are not employable. These must continue to be supported, whether by the present method of paternalism funded by filial contributions, or by a private fraternal method is to be determined. For many of the millions of other unemployed there is no room in today's business economy if that is to be maintained at efficiency at the least direct cost. But, the indirect cost via paternalism is larger than would be the direct cost of their employment, because then they would be contributing something productive. So, it is desirable that a decision be made to quit supporting "the old man" in his paternal benevolence and to get down to paying wages instead of taxes. Take away the excuse, as well as the need, for taxes, and the tax problem will be almost solved.

A Tribute to the Packaged Food Industry

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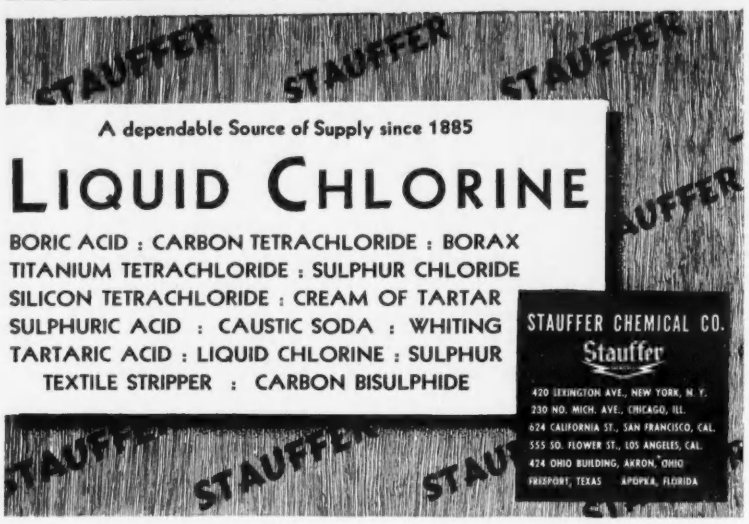
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Heavy Chemicals

New Business Fails to Broaden — Tin Salts Decline — Ammonia Perchlorate Up — Electrolytic Copper Easier — December Exports Show Sizable Gain Over Year Ago

Volume of new business in the market for heavy chemicals displayed no broadening last week. While transactions in the early part of January showed moderate improvement from the holiday levels, they failed to attain the levels of the pre-holiday period, but remained well ahead of the same period a year ago. Some of the inventories built up during the fourth quarter were not expected to influence future commitments to any marked degree, since more normal stocks were expected to be carried during the duration of the conflict abroad. The outlook remained encouraging, in view of the relatively high operations of most heavy industries. Price changes were entirely confined to specialties, metals and metal salts.

Straits tin reached another new low for the current move and brought about further declines in practically all tin salts. The decline in copper was not general, and the slight recession was not adequate to cause any important revisions in the quotations for various copper derivatives. The firmness in ammonia perchlorate followed the trend in other chlorates and perchlorates in recent weeks, and allowed for the additional replacement costs.

Preliminary figures of United States exports for December showed shipments of industrial chemicals and specialties amounted to $9,426,000, compared with $4,311,000 in the corresponding month last year. Despite the gain over November and the wide advance over the preceding year, sellers were not taking an active interest in the export market. Most of the transactions represented shipments by producers to regular export channels, however, many of the inquiries were taken care of in the resale market at prices considerably above the domestic figures.

Price Changes

Advanced

Ammonia perchlorate, 1c. per lb.
Strontium carbonate, tech., 1c. per lb.

Reduced

Copper, electrolytic, ¼c. per lb.
Strontium chloride, 3c. per lb.
Tin, Straits, ⅝c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.
tetrachloride, anhy., ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
152.7	152.7	150.0	147.2

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.0	99.0	99.0	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—Shipments against contracts steady. Prices for ammonia, potash and soda firm. Potash Chrome strictly nominal. November exports alum compounds 285,111 pounds, valued $20,969, of which the bulk went to Canada, the United Kingdom and Philippine Islands.

Alumina Sulphate.—Call from paper trade and for water treating moderately active. Satisfactory export inquiry. Quotations firm. November exports 8,629,692 pounds, valued $100,845, of which 7,100,950 pounds went to Canada.

Ammonia, Anhydrous. — Quotations firm. Shipments along normal seasonal lines. November exports 543,637 pounds, valued $51,665.

Ammonia, Aqua.—Moderate buying interest from principal consuming channels. Pricewise firm tone governed dealings.

Ammonia Bicarbonate. — Transactions routine. Prices unchanged and firm.

Ammonia Nitrate.—Market position strong, and demand steady.

Ammonia Perchlorate. — Quotations advanced 1c., making kegs 17c. to 19c. per pound, according to quantity. Business limited to regular consuming channels.

Ammonia Silicofluoride.—Only fair inquiry, and business rather dull. No change in price.

Ammoniac, Sal.—Demand exceeds production, although much progress reported in clearing up backlogs. Prices very firm. November imports 1,084,126 pounds, valued at $19,862, of which 932,933 pounds came from Germany and 139,993 pounds from Belgium.

Antimony.—Quiet. Domestic spot metal unchanged. No new developments in oxide and needle of antimony.

Arsenic.—White moving in seasonal volume, with price firm. Call for red small, with stocks limited. November imports of white were 1,251,062 pounds, of which 1,106,369 came from Mexico; Red imports totaled 66,140 pounds, all from Belgium.

Barium Salts.—Prices underwent little change. Quotations for the carbonate and chloride were firm. The nitrate held at 10½c.; hydrate 6½c. and chlorate ranged from 20c. to 22c. per pound. Demand was generally moderate. November imports barium compounds 77,092 pounds, valued $3,572, of which France, Germany and the United Kingdom were the principal shippers.

Bleaching Powder.—Further evidence of demand tapering from domestic and export channels. Prices hold firm. November imports only 27,999 pounds, all from the United Kingdom.

Blue Vitriol.—Easiness in metal market failed to influence strong price tone. Stocks not large, and demand well sustained. November exports 5,553,334 pounds, valued $217,582, of which Central and South American countries received the bulk.

Calcium Carbide.—Buying interest only fair. Good export inquiry. Prices hold firm. November exports 976,921 pounds, valued at $35,601.

Calcium Chloride.—Active movement for ice control work and concrete curing. Miscellaneous demand steady. Prices unchanged and firm. November exports 3,119,273 pounds, valued $35,010, of which the largest quantities went to Sweden and Argentina.

Carbon Bisulphide.—Spot and contract shipments moderately active. Prices well sustained. Good export inquiry. November exports 572,492 pounds, valued at $28,629, of which 402,690 pounds went to Canada.

Chlorine.—Some stimulation noted locally for sanitation purposes in view of recent water shortage. Shipments for commercial purposes somewhat slower than preceding month. Good

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

export inquiry, but little offered. November exports 689,070 pounds, valued at $16,830, of which 488,500 pounds went to Canada.

Cobalt Oxide.—Good inquiry, but business restricted to regular consumers requirements. Stocks limited. November imports 119,700 pounds, of which 100,450 pounds came from Belgium.

Copper.—Sales made by small producers and one leading smelter at 12¼c. per pound. Leading primary producers adhere to 12½c. per pound, which has been in effect since October 5, 1939. Activity dull in outside market, with January nominal at 12.20c. per pound. Light inquiry for export; material available at 12.25c. per pound for January.

Copper Salts. — Decline in basic metal had no effect on prices. Demand was only moderate, and prices were steady to firm at nominal levels.

Copperas. — Steady interest from regular consumers. Market position strong, and prices without alteration.

Fluorspar.—No new price developments. Moderate buying, and tone of market firm.

Lead Acetate. — Little feature to trading. Prices unaltered and firm.

Lead Nitrate.—Dealings held close to production requirements. Pricewise a steady to firm tone prevailed.

Magnesite.—Domestic prices will remain unchanged for next few weeks. Adjustment of freight will probably bring about change early in February. Business spotty, but satisfactory.

Manganese Dioxide.—Routine withdrawals against contracts. Prices retain firm tone.

Molybdenum.—Metal powder taken steadily by metallurgical trade and other consuming channels. Prices rule firm. Molybdenum trioxide offered in two grades—pure, works, $1 per pound; technical, works, 80c. per pound. Above price based on Mo content.

Nickel Salts.—Consumers entered market for necessary replacements. Quotations the same, and tone remains firm.

Potash Carbonate.—Position of calcined still tight, hydrated and liquid production improved. Shipments are steady and prices firm. November imports 1,276 pounds, all of which came from Switzerland.

Potash Caustic.—Production gradually catching up with demand. Business steady, prices very firm. Good export inquiry, but little or none offered.

Potash Chlorate.—Supplies adequate to meet demands of regular consumers. Prices firm. November imports 534,271 pounds, valued at $30,437, of which 418.911 pounds came from Sweden, 91,840 pounds from Switzerland, and 23.520 pounds from France.

Potash Cyanide. — Stocks limited, and prices unavailable. November imports 33,069 pounds, valued at $11,-535, all of which came from Germany.

Potash Metabisulphite. — Inquiries were not large, and shipments confined to small quantities as a rule. Prices were firm, ranging from 18c. to 20c. per pound.

Saltcake.—Prices continue nominal. Steady inquiry for domestic and imported material. November imports 8.544 tons, valued $103,468, of which 7,347 tons came from Belgium; 951 tons from Canada and 246 tons from Chile.

Saltpeter.—Little recession in buying noted because of higher prices. Active inquiry, with shipments steady to regular consuming channels. November imports 146,001 pounds, of which 135,804 pounds came from Germany.

Soda Ash.—Some recession noted in volume from levels of preceding month, but sufficient activity to keep market in firm position. Good export inquiry still prevailed. November exports totaled 27,555,063 pounds, valued $391,558, of which most went to South American countries, Canada, The Netherlands, Mexico and Cuba.

Soda Bicarbonate.—Steady buying against contracts. Prices hold firm. November exports 3,689,874 pounds, valued $58,322, of which 2,384,879 pounds went to Canada.

Soda, Caustic.—Demand moderately active, with some leveling off from peak levels still discernable. Export business active, but mostly restricted to regular channels. Prices firm. November exports 30,541,133 pounds, valued $729,194.

Soda Chlorate.—Industrial demand held close to nearby needs. Prices without change. November imports 403,500 pounds, valued $15,584, all of which came from Belgium, France and Germany.

Soda Cyanide.—Demand spotty, but sufficient to keep market firm. November imports 3,851,474 pounds, valued $206,714; exports 312,073 pounds, valued at $39,518.

Soda Fluoride.—Prices firm, with demand along routine lines. November imports 1,110 pounds, all of which came from Germany.

Soda Hydrosulphite.—Contract shipments moderate, little spot offered. Prices very firm. November imports 22,898 pounds, valued $2,334, of which 11,023 pounds came from France and 11,200 pounds from the United Kingdom.

Soda Phosphate.—Consumers adhering to moderate purchasing policy. Active inquiry for export. Prices firm. November exports 1,306,036 pounds, valued $46,226.

Soda Silicate.—Demand failed to broaden to any degree, but remained steady for moderate quantities. Prices firm. November exports 1,547,855 pounds, valued at $24,326, of which 465,523 pounds went to Canada and 668,700 pounds to Cuba.

Soda Silicofluoride.—Domestic business chiefly confined to contracts. Offerings of imported ranged from 5¾c. to 6¼c. per pound. November imports 1,112,196 pounds, valued at $22,-706, of which 915,953 pounds came from Denmark; 108,059 pounds from Italy and 88,184 pounds from Germany.

Soda Sulphate, Anhydrous.—Firm price tone, with buying steady against contracts. November imports 234 tons, valued at $3,516, of which 160 tons came from France and 74 tons from Germany.

Soda Sulphide.—Consumers exerted moderate buying interest. Pricewise a firm tone predominated. November imports were 132,534 pounds, of which 132,434 pounds came from Germany.

Strontium.—Price movements were mixed, the carbonate was 1c. higher at 23c. per pound, while the chloride declined to 18c. per pound. The nitrate was firm. Transactions were confined to moderate proportions.

Tin Salts.—Further easiness was uncovered in various tin derivatives, reflecting the decline in the Straits metal to 46⅝c. per pound level. Tin crystals were 36½c. per pound; anhydrous stannous chloride of tin 45c. per pound and anhydrous tetrachlo-

—Continued on page 30.

Waterfalls Paper Mills, Mechanic Falls, Me., has been acquired by an American group from the Aktieselskapet Borregaard of Norway, which acquired the property in 1920 when it was known as the Poland Paper Company.

Copper Output in U.S. Up 30 Percent in 1939

The mine production of recoverable copper in the United States in 1939 was about 722,700 short tons, according to preliminary figures of the Bureau of Mines, United States Department of the Interior. The 1938 output was 557,763 tons, indicating an increase in 1939 of 164,937 tons or 30 percent. Despite the large gains reported in nearly all the important copper-producing States, the 1939 output was considerably below the 1937 output of 841,998 tons. The mine output of copper was valued at $150,321,-600 in 1939, compared with $109,321,466 in 1938.

Copper from Arizona mines increased 23 percent in 1939, Utah 58 percent, Montana 28 percent, Nevada 42 percent, and New Mexico 125 percent; these five States, named in order of output, produced 639,603 tons of copper in 1939, or 89 percent of the United States total.

Export Managers to Hear W.S. Swingle Jan. 23

The Export Managers Club will hold a get-together luncheon in the Hotel Pennsylvania, this city, January 23. William S. Swingle, vice-president of the National Foreign Trade Council, will address the club on the recent developments affecting foreign trade. The luncheon will start at 12:30 p.m.

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Heavy Chemicals

—*Continued from page 29*

ride of tin 23½c. per pound. World tin stocks stood 50,047 long tons as of December 31, a decrease of 200 tons from stocks at end of November and compared with 49,448 tons at the end of 1938, according to advices received from the International Tin Research Council, The Hague, Holland. November exports of tin compounds totaled 30,903 pounds, valued at $4,687, of which 24,450 pounds went to France.

Uranium Oxide. — Demand from ceramic and glass trade sufficient to absorb most available quantities. Prices very firm. November imports 134,814 pounds, valued at $93,020, of which 125,854 pounds came from Belgium and 8,960 pounds from Canada.

Zinc Sulphate.—Market fully retained its firm price tone. Shipments moved at a moderately active pace against contracts.

Acids

Business gave little indication of returning to the high levels witnessed before the holidays. However, a steady buying interest was displayed, with the disposition quite general to limit commitments to nearby production requirements. The position of many acids was fully retained at the firm levels noted for several weeks. Sellers were not offering much for export, despite the receipt of many inquiries from various countries. Sulphuric, oxalic, nitric, muriatic, formic and chromic were still very firm features.

Acetic.—Shipments moved to major consuming channels steadily, although volume was somewhat restricted. Prices steady. November exports 498,443 pounds, valued $39,427.

Chromic.—Moderate withdrawals the rule. Prices well sustained.

Formic.—Consumers entered market for necessary replacements. Prices without change.

Gallic.—Prices nominal. Interest only fair.

Lactic.—Business held to moderate levels in majority of instances. Price-wise nothing new transpired.

Muriatic. — Major consumers displayed steady interest. Prices firm. November exports were 433,017 pounds, valued at $10,109.

Nitric.—Quotations remained firm. Some leveling off in new business, but shipments were still active.

Oxalic.—Market position was very strong. Stocks were limited, and demand held to regular consuming channels. Good export inquiry.

Sulphuric.—Consumers placed orders on a more moderate scale commensurate with nearby production requirements. There was a steady inquiry, however, and despite some leveling off in volume from the high levels, prices gave no indication of losing the firmness, which characterized trading in recent weeks.

Baltimore, Jan. 17.—The expected scarcity of stocks or freedom of offerings did not develop to the extent anticipated by many members of the trade, and the rise has been less sweeping than had been supposed it would be. There are those who intimate that the nominal figures of $12 per ton for 60-degree and $15 per ton for 66-degree acid are not far out of the way from the actual trading. Where a scramble for supplies was anticipated, the calls were of a considerably less urgent manner, and anything like a lasting big boom is still to come. Oleum has held at a tolerably steady level, with the nominal market price put at $17 to $18 per ton for 20 percent stocks.

Insecticides

The market for agricultural insecticides and fungicides was without much feature last week. Domestic trading was limited by seasonal conditions, but active preparations were under way to take care of the nearby consuming period. Exports held up well, particularly from South and Central American countries. Prices failed to change, and the undertone was still firm.

November exports of powdered or paste insecticides totaled 16,009 pounds, valued at $5,309; liquid insecticides amounted to 398,846 pounds, valued at $83,059, while other agricultural insecticides and fungicides aggregated 888,372 pounds, valued at $111,719. Disinfectants, deodorants and germicides exports in November were 417,575 pounds, valued at $28,677.

Calcium Arsenate. — Domestic inquiries still on the quiet side. Prices firm. November exports aggregated 614,800 pounds, valued at $26,250, of which 579,200 pounds went to Peru.

Lead Arsenate. — Current activity rather limited, but preparations under way for active season. Prices well maintained. November exports 120,076 pounds, valued at $12,271, of which 104,097 pounds went to Brazil.

Nicotine Sulphate.—Small quantities made up the call. Prices without change. November exports were 16,922 pounds, valued at $11,366.

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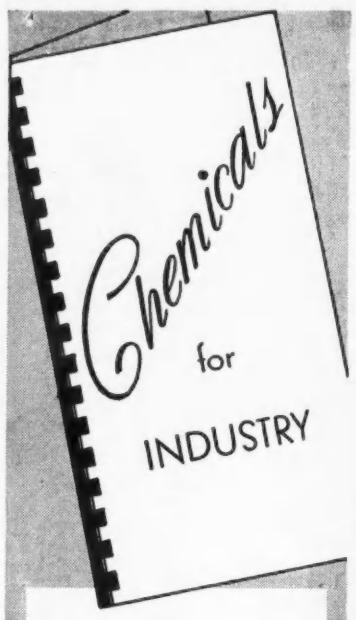

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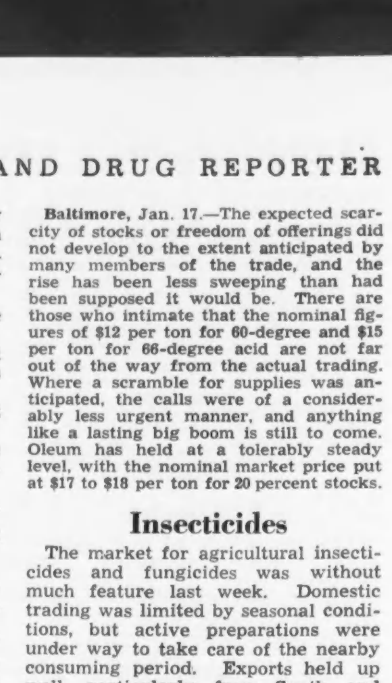
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Fusion-Weld Tankcars Authorized by I.C.C.

—Continued from page 3

ous corrosive materials, thirty-six tankcars conforming to current I.C.C. shipping container specifications except that the tanks will be fusion welded. Ten cars will be of specification 103B type for hydrochloric acid or iron chloride, twenty-five cars of specification 103B type for muriatic acid or ferric chloride, and one car of 103A type for formic acid. The commission comments that formic acid has not previously moved in tankcars, transportation being confined to small containers including carboys, barrels, and boxes.

The third decision approves an application filed by the Southern Steel Company and concurred in by the Caribbean Hydro-Gas Company and the Lykes Brothers Steamship Company, for amendment of regulations for transportation of commercial butane and use of a new design of portable fusion-welded tank for transportation of the commodity named on freight vessels. The applicants stated that they have made arrangements for shipment of commercial butane to Puerto Rico and the Virgin Islands under conditions making delivery of the gas in presently authorized containers unsatisfactory. The commission granted temporary amendment of the regulations to permit use of the specially designed tanks in trial service between United States ports and Puerto Rico and the Virgin Islands.

The house committee on merchant marine and fisheries has scheduled hearings beginning January 30 on the bill (H.R. 7357) introduced last July by Chairman S. O. Bland of Virginia to provide for the safe carriage of explosives or other dangerous or semi-dangerous articles or substances on board vessels. The bill directs the Secretary of Commerce to establish regulations for packing, stowing, loading, handling, labeling, and invoicing dangerous commodities on any vessels in United States waters.

Forest Utilization Study Concluded

—Continued from page 5

secretary declared, is a major factor in deciding on a constructive forest policy for the nation, and the problems presented by this situation include measures to stop forest destruction, to secure operation on a sustained yield basis at a profit, to have privately owned forest lands contribute their share to water shed protection, and to extend markets for forest products. His principal recommendation was that there be public regulation of cutting practices on privately owned forest land. He said this might well be a joint State-Federal undertaking, the Federal Government retaining the right of direct action if such became essential, and he expressed the belief that if properly planned and administered such regulation will protect private as well as public interests and values.

Other recommendations were public credits for forest owners, a more equitable basis for reimbursing local units of government in lieu of taxes on account of federally owned forest land, bringing some order to the present chaotic intermingled public and private ownership matters, and more forest research.

Matters much the same as those covered by the congressional study will be discussed in a joint meeting of the American Forestry Association and the Mississippi Forestry Association in Biloxi, Miss., February 1 to 3. Chemical research in relation to broader use of forest products and by-products also will be discussed. Jay Ward, in charge of the naval stores conservation program of the United States Forest Service, will give an address on "Naval Stores and Forest Conservation."

Industrial Cooperation Plan Suggested

—Continued from page 3

petition, price trends, and experiences in the international market. Particular attention was paid to the operations of Copper Export Association set up under the Webb-Pomerene act and the relationship of United States producers to the world copper cartel.

One of the chief witnesses was Cornelius F. Kelley, president of the Anaconda Copper Mining Corporation. In the course of his testimony Mr. Kelley suggested that government machinery should be set up to permit industries to attempt cooperative action in stabilizing production and employment, the government sitting in as an advisor and to protect the consumers but without regulatory powers. All agreements would be public, and if actions were felt to be contrary to the public interest cease and desist orders or Federal court restraints would be applied, but there would be no criminal penalties for violation of the anti-trust laws. As an example, Mr. Kelley pointed out that when the price of copper is low only the highest grade ore is refined, resulting in a great loss of a natural resource through abandonment of low-grade ores; whereas, if the market price for copper is kept at a reasonable level the recovery of ore will be greater and employment will be more stable.

DuPont Repauno Plant Wrecked by Explosion

Gibbstown, N. J., Jan. 17, 1940

An explosion of 6,000 pounds of unprocessed nitroglycerine at the Repauno plant of E. I. du Pont de Nemours & Co. here today led to Federal and State investigations to determine whether sabotage was responsible. Despite the concern of government investigators, company officials voiced the strong belief that "no sabotage was involved" and that the blast was "a regular industrial accident with no indication of anything criminal. This belief was later confirmed by the government probers.

The mysterious exposion blew to bits a neutralizing shed on the 6,000-acre du Pont reservation and left only a crater in the frozen ground where the frame building and its protecting earthworks had stood before. Because of the danger involved in processing nitroglycerine, only two men were permitted at one time in the shed of the plant. Neither of those at work there when the explosion occurred had a chance for escape.

New Nickel Plating Bath To Be Described by Wesley

"The Electrodeposition of Nickel From Nickel Chloride Solutions" is the subject of an address to be delivered by Dr. W. A. Wesley, assistant director of the Bayonne research laboratory of the International Nickel Company, before the Baltimore-Washington branch of the American Electroplaters' Society at its annual educational session to be held February 3 at the University of Maryland. This new plating bath, developed in the Bayonne laboratory, consists of a nickel chloride-boric acid solution instead of the conventional sulphate electrolyte, Dr. Wesley will report.

Endoco, Inc., has been formed to manufacture 'Lur-em,' a moth-destroying product. Franz J. Mohr is president with offices at 48 Herkimer street, Brooklyn.

Grown from Good Seed

Manufactured goods must be grown from good seed too—carefully selected raw materials—if they are to be rated in the prize winning class. For many years Niagara Alkali Company has helped customers put and keep their products in the top quality brackets—with a consistently excellent supply of Caustic Soda, Caustic Potash and Carbonate of Potash. If you use these materials think of Niagara quality as "good seed" for raising prize winning products!

Niagara ALKALI COMPANY
60 EAST 42ND STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-twelfth Instalment

Oleoresins

Catalysts Used in Producing Artificial Oleoresins

Aluminum chloride
Bromine
Chlorine
Ferric chloride
Floridine
Fuller's earth
Hydriodic acid
Hydrogen bromide
Hydrogen chloride
Hydrogen fluoride
Iodine
Nitric acid
Oxalic acid
Paratoluenesulphonic acid
Phosphoric acid
Phosphorus pentoxide
Silicates
Sulphonic acids
Sulphuric acid
Zinc chloride

Solvents for Oleoresins

Acetone
Alcohol
Albacol
Benzene
Benzin
Canadol
Carbinol
Carbitol
Carbon bisulphide
Chloroform
Ether
Ethyl alcohol
Isohol
Isopropyl alcohol
Kanadol
Ligroin
Methanol
Turpentine
Oils, fixed and volatile
Solvene ES, S

Olive Oil

(Continued from January 15 issue)

Foreign Oils to Be Found in Olive Oil

Apricot-kernel oil
Cabbageseed oil
Corn oil
Cottonseed oil
Lard oil
Mineral oil
Peanut oil
Poppyseed oil
Rapeseed oil
Sesame oil
Soybean oil
Sunflower-seed oil
Teaseed oil

Reagents for Detecting Foreign Oils in Olive Oil

Albumin
Acetic acid, alcoholic
Iodine number of the oil (77 to 94)
Magnesium acetate, alcoholic
Potassium hydroxide, alcoholic
Precipitated magnesium salts of the saturated acids from alcoholic solutions

Reagents for Making Colloidal Suspensions of Olive Oil

Albumens
Benzylcellulose
Benzylstarch
Carragheen
Dextrin ether
Ethyl ether of carragheen
Ethyl ether of inulin
Ethyl ether of lichenin
Ethylcellulose
Ethyldextrin
Ethylstarch
Gelatin
Gluten
Gums
Inulin
Lichenin
Methyl ether of carragheen
Methyl ether of inulin
Methyl ether of lichenin
Methylcellulose
Methyldextrin
Methylstarch
Mucilages
Nucleinic acids
Polysaccharide ether
Proteids
Soaps
Starch
Tragacanth

Solvents for Olive Oil

Alcohol (slightly)
Butylamines, normal, dinormal, and trinormal
Carbon bisulphide
Chloroform
Diethylamine
Ether
Glycopon 802
Isopentylamine
Phenylmethylamine
Triethylamine

Stabilizer for Olive Oil

Acetic acid

Ore Treatment

Binders for Briquetting Ores

Aluminum oxide
Calcium hydroxide
Coaltar
Dextrin
Flour
Fucine
Gelose
Kelp
Manganese dioxide
Marine plants
Pitch
Potassium perchlorate
Pyroligneous tar
Sodium carbonate
Sodium hydroxide
Sodium nitrate
Sodium perborate
Starch
Vareco
Woodtar

Flotation Agents for Concentrating Ores

Acacia
Abietic acid
Aceticphenylhydrazin
Acetone
Acetone condensation products
Acetonephenylhydrazin
Acetylene
Acids
Acidtar
Acid vapors
Acridine
Air
Albumen
Alcohols
Aldehyde acid waxes
Aldehyde fatty acids
Aldol
Aldol condensation products
Alkalies
Alkali borates
Alkali carbonates
Alkali chlorides
Alkali dithiocarbonates
Alkali hydroxides
Alkali hyposulphites
Alkali polysulphides
Alkali resinates
Alkali salts
Alkali sulphates
Alkali sulphides
Alkali sulphydrates
Alkali-earths
Alkali-earth borates
Alkali-earth carbonates
Alkali-earth hydroxides
Alkali-earth hyposulphites
Alkali-earth salts
Alkali-earth sulphates
Alkali-earth sulphides
Alkali-earth sulphydrates
Alkyl dithiocarbamates
Alkyl-ammonium dithiocarbamates
Alpha-acetylbetaphenylhydrazin
Alphanaphthylamine
Alums
Aluminum pyrophosphate
Aluminum sulphate
Amido acids
Amidothiophenols
Amines
Aminoazo compounds
Aminoazonaphthalene
Aminoazonaphthalene hydrochloride
Aminoazonaphthalene sulphate
Aminothiophenol
Ammonium chloride
Ammonium hydroxide
Ammonium persulphate
Ammonium resinate
Ammonium-nitrosophenylhydroxylaminephenylglyoxime
Amyl alcohol
Amyl xanthate
Amylamine
Anilin
Antimony xanthate
Argols
Arsenic bromide
Arsenic xanthate
Aryl dithiocarbamates
Asphalt
Azins
Azo compounds
Azobenzene
Azobenzene hydrochloride
Azobenzene sulphate
Azonaphthalene
Azonaphthalene hydrochloride
Azonaphthalene sulphate
Azophenols
Barium chloride
Basswood
Benzeneazoalphanaphthol hydrochloride
Benzeneazoalphanaphthol sulphate
Benzeneazobenzeneazoalphanaphthol
Benzeneazobenzeneazo-2-naphthol
Benzeneazobetanaphthol
Benzeneazophenol
Benzeneazophenol hydrochloride
Benzeneazophenol sulphate
Benzenediazoaminoparatoluene
Benzenediazoaminoparatoluene hydrochloride
Benzenediazoaminoparatoluene sulphate
Bismuth xanthate
Bitumens
Bitumen distillation products
Bituminol
Bituminous material
Black liquor
Black sage
Blubber oil
Borax
Boric acid
Bornite
Bromoform
Bromophenylhydrazin

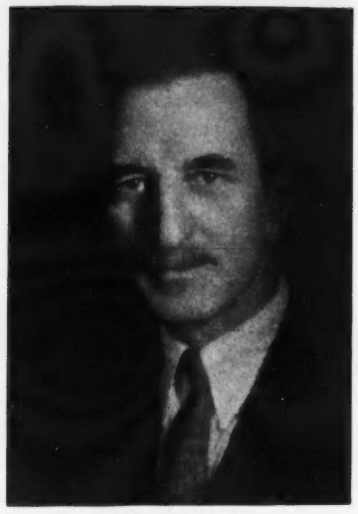
(To Be continued)

Obituaries

Paul Hooker

Paul Hooker, one of the five brothers active in developing the Hooker Electrochemical Company, Niagara Falls, N. Y., died in his home January 11 following a heart attack. He was sixty-five years of age.

Mr. Hooker attended the University of Rochester, graduating in 1899, and that same year attended the Massachusetts Institute of Technology. His first work was with the United States



Paul Hooker

Army Engineering Corps, serving as a civil engineer at Fort Terry and Fort H. G. Wright and participating in national park and fortification surveys from 1899 to 1901. In 1901, he became associated with the New York engineering firm of James H. Fuertes and represented that firm as a sanitary engineer in the construction of waterworks at Harrisburg, Pa.; Lynchburg, Va., and Steelton, Pa.

In 1908 Mr. Hooker became the first assistant engineer in waterworks and sewerage investigation for the Pennsylvania State Department of Health, making his headquarters at Harrisburg. He continued in that service until 1917.

In the same year, Mr. Hooker went to Niagara Falls to be associated with his brothers in the Hooker Electrochemical company as a mechanical and chemical engineer. He remained there until 1922, when he went to Albany as manager of the company's plant then being operated in that city. Upon the merger of the Albany plant with the local plant at the end of that year, he returned to Niagara Falls, where he remained until 1927, when he went to Tacoma, Wash., where he served as assistant to the chief engineer in the construction of the company's plant at Tacoma until after its completion in 1929. He then returned to Niagara Falls.

Surviving are his wife, Mrs. Grace Wilbor Hooker, and two sons, Thomas and Wilbor H. Hooker, all of Niagara Falls; a brother, Harry M. Hooker, president of the Hooker Electrochemical company, and a sister, Mrs. E. M. Trimble, of Rochester.

George Grunthal

George Grunthal, identified with the shellac trade of this city for the past forty-four years died January 13 of pneumonia in a hospital at High Point, N. C. He was about seventy years of age.

Mr. Grunthal was born in Brooklyn in March, 1870. When twenty-six years old, he entered the employ of Rogers & Pyatt, shellac merchant, at 80 Maiden Lane, this city. His employment by that company, together with its successors brought about by several reorganizations, was continuous until January, 1923, when he retired to his estate at Bellville, Fla.

In July, 1928, James W. Byrnes resigned as secretary for the Rogers-Pyatt Shellac Company and went into business as the James W. Byrnes Shellac Company. At that time, Mr. Byrnes, who had worked with Mr. Grunthal for many years, persuaded Mr. Grunthal to return to business life. The Byrnes company was liquidated in 1935, and when Mr. Byrnes became an officer on the MacLac-Kasebier-Chatfield Corporation, which company later returned to its former name of the MacLac Company, Mr. Grunthal went with him and was established in headquarters at High Point, N. C. He was still employed by the MacLac Company when he died.

Surviving are two sisters, Mrs. Gerald Hopkins, of St. Petersburg, Fla., and Mrs. Val Werner, of Morris Plains, N. J.

Arthur S. Key

Arthur S. Key, vice-president of the Federal Chemical Company, Louisville, Ky., died January 14. He was fifty-one years old.

Born and educated in Louisville, Mr. Key began his business career as a bill clerk with the Federal company thirty-five years ago. He was promoted to traffic manager, then secretary and finally to the post he held when he died. He was a member of the board of directors of the National Fertilizer Association, the Middle West soil improvement committee, and the traffic committee. He was also a member of the Louisville Board of Trade and the Transportation Club.

Brig. Gen. Palmer E. Pierce

Brigadier General Palmer E. Pierce, a former executive of the Standard Oil Company of New Jersey, died in this city January 17. He was seventy-four years of age. Born in Savanna, Ill., General Pierce joined the legal department of the Standard Oil Company of New Jersey after an active career in the army. In 1929 he became assistant to the president of the New Jersey Standard company, and retired in 1933, and since that time has interested himself in Pan-American affairs. He was an honorary vice-president of the Pan-American Society.

Francis D. Blanck, comptroller of W. S. Gray & Co., manufacturers' agent, this city, died in his home in Hackensack, N. J., January 13. He was fifty-three years of age. Surviving are his wife, a daughter and a brother.

Cullen Van Rensselaer Cogswell, long identified with the mining industry in Mexico, died in a hospital in this city, January 17. He was sixty-nine years old.

Dr. Alirio Diaz Guerra, former export manager for Sharpe & Dohme, manufacturing chemists, Philadelphia, died January 15 of a heart attack in his home in Brooklyn, N. Y. He was seventy-seven years of age.

A. H. Kennedy, South Atlantic district industrial sales manager for the Sherwin-Williams Company, Cleveland, died unexpectedly in Philadelphia, January 12. He had been with the Sherwin-William organization since 1907.

Virgil J. Lopez, president of the Tucker Pharmacal Company, this city, died in his home in New Rochelle January 18. He was sixty-one years of age. Surviving are his wife and two daughters.

John H. Macomber, jr., retired general manager in charge of Long Island for the Liggett Drug Company, Inc., Chicago, died in a hospital in New Rochelle after a brief illness. He was fifty-two years of age. Surviving are his wife and daughter.

Albert deForest Palmer, former chairman of the department of physics at Brown University, Providence, and a teacher at the university for forty-six years until his retirement in 1934, died in Pasadena, Calif., January 13. He was seventy years old.

Dr. Jeffrey Stewart, long identified with the chemical industry, and who although retired, served in an advisory capacity with his son, Jeffrey Stewart, operator of the Stewart Research laboratory, Franconia, Alexandria, Va., died recently in a hospital in Wilmington, Del. He was eighty years of age. Surviving are three sons.

John Weber, general stockkeeper for the Sherwin-Williams Company, for fifty-four years, died unexpectedly January 11 in his home in Stony Creek, N. Y. Surviving are his wife and three sons.

Lead Output Up 30 Percent in 1939

Output of refined primary lead from domestic sources in 1939 was 30 percent higher than in 1938 and was, with the exception of 1937, the highest recorded since 1930, according to the Bureau of Mines. Production from foreign sources, which rose sharply in 1938 over the abnormally low levels of previous recent years, advanced 27 percent in 1939, when it was higher than in any other year since 1930, although only 42 percent of the 1928 total.

Reports from producers covering eleven months' actual production plus an estimate for December indicate that about 231,700 tons of primary domestic desilverized lead, 134,100 tons of soft lead, and 64,400 tons of desilverized soft lead were produced in 1939—making a total output of about 430,200 tons of refined lead from domestic ores. Corresponding figures in 1938 were 192,186 tons of desilverized lead, 107,792 tons of soft lead, and 31,986 tons of desilverized soft lead, making a total of 331,964 tons. The output of lead smelted and refined from foreign ore and bullion was about 65,600 tons, as compared with 51,705 tons in 1938.

The total primary lead smelted or refined in the United States in 1939 was thus about 495,800 tons, an increase of 29 percent as compared with the 383,669 tons in 1938. Plants that treat primary materials mainly produced 29,000 tons of secondary lead in 1939 compared with 24,800 tons in 1938. Therefore, the total output of primary and secondary refined lead at primary refineries was 524,800 tons, as compared with 408,469 tons in 1938.

Antimonial lead produced at primary refineries totaled 19,200 tons, containing 2,500 tons of primary domestic lead, 2,800 tons of primary foreign lead, 650 tons of primary domestic and foreign antimony, 12,400 tons of secondary lead and 800 tons of secondary antimony.

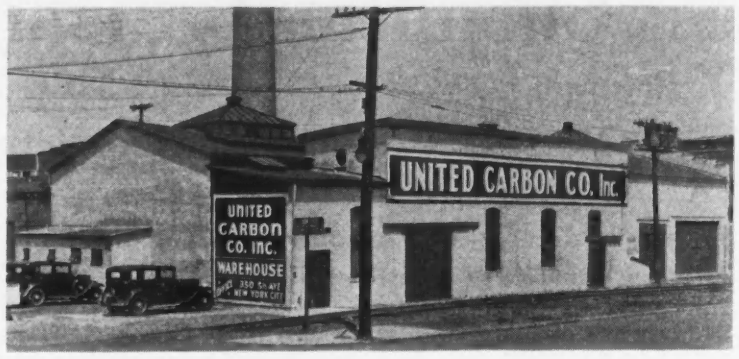
Zinc Output Gained 13 Percent in 1939

The output of primary metallic zinc from domestic ores in 1939, as reported by producers from figures of actual production for eleven months and estimates for December, was about 491,400 short tons, an increase of 13 percent from the 436,007 tons produced in 1938. Production of slab zinc from foreign ores in 1939 amounted to 14,900 tons, compared with 10,334 tons reported for 1938. Total primary production from domestic and foreign sources in 1939 was thus 13 percent higher than in 1938, according to the Bureau of Mines.

Of the total output of primary material in 1939, about 127,000 tons were electrolytic zinc, of which 108,700 tons were produced in Montana and 18,300 tons in Idaho. Of the primary retort output 155,400 tons were produced in Pennsylvania, 82,000 tons in Oklahoma, 79,200 tons in Illinois and the remainder in Arkansas, Texas and West Virginia.

In addition to the output of primary zinc, about 48,700 tons of redistilled secondary zinc were produced as compared with 31,613 tons in 1938. Thus the total supply of distilled and electrolytic zinc in 1939 was about 555,000 tons, composed of 162,700 tons of high grade, 64,400 tons of intermediate, 88,100 tons of selected and brass special, and 239,800 tons of prime western zinc.

United Carbon Opens Warehouse in Newark



The United Carbon Company, Charleston, S. C., recently opened a large warehouse of its own, at Lister avenue and Brown street, Newark. This will enable them to handle deliveries from a central location, and will greatly facilitate service to customers in the metropolitan area, and nearby points.

In connection with warehouse accommodations the company has a manufacturing unit for producing 'Blac-king,' an aqueous dispersion of carbon black. 'Blac-King' is designed for use in concrete, mortar colors, latex compounding, paper and boxboard stocks, leather finishes and and liquid polishes.

New England Paint Course Attendance Totaled 251

Registration for the course on "Paint—Its Use, Application, Composition, Purchase and Sale" totaled 251 at the first meeting on January 15, according to M. Stone, chairman of the educational committee of the New England Paint and Varnish Production Club. The meetings will be on consecutive Monday nights at the Massachusetts Institute of Technology, Cambridge, Mass., at 7:30 p. m. The first lecture was given by Dr. Robert J. Moore, co-ordinating consultant of the Bakelite Corporation, Bloomfield, N. J.

In his lecture Dr. Moore reviewed the history of the paint industry from the first records in Egypt up to the modern era of lacquers and synthetics. In discussing present economic features he showed what the industry meant to the United States in dollar volume, employment, protection and decoration. At the January 22 meeting, Harley E. Nelson, of New Jersey Zinc Company, Palmerton, Pa., and Kenneth Donohue, Imperial Paper and Color Works, Glens Falls, New York, will discuss pigments.

Gibson to Supervise Vita-Var Plant Operations

Thomas H. Gibson, vice-president, has been named general manager and elected to the directorate of the Vita-Var Corporation, paint manufacturer, Newark, N. J. Mr. Gibson has been vice-president in charge of the sales division for the past several years and his new duties as vice-president and general manager will include having charge of plant and technical operations. He has been associated with the organization for twenty-six years.

Vinylite Uses Shown In *Bakelite Review*

Recently developed applications and a history of the vinylite resins are discussed in an article by H. S. Bunn, manager of the plastics division of the Carbide and Carbon Chemicals Corporation, featured in the January issue of the *Bakelite Review*, monthly publication of the Bakelite Corporation, manufacturer of synthetic resins, this city. The vinylites are described as versatile industrial materials. Dissolved in suitable solvents, they become lacquer for sheet metal surfaces where water resistance and elasticity are necessary. Molded by thermoplastic methods they have found utilization in innumerable products. Other stories in the new edition review the use of plastics in hardware items under corrosive conditions, in packaging, and in novelties. A copy of the magazine may be obtained by addressing the Bakelite Corporation, 247 Park avenue, New York, mentioning the REPORTER.

Keystone Varnish Names A.K. Coffin Sales Director

A. K. Coffin has been named director of sales for the Keystone Varnish Company, Brooklyn. Mr. Coffin, who has been general manager of the James H. Prince Company, Boston, an affiliate of the Keystone Varnish, succeeds Charles W. Knapp, who resigned January 15. Mr. Knapp joined the company's sales staff in 1918, was named assistant sales director in 1921 and two years later was elevated to director of sales.

Edgar N. Transeau has been elected president of the Botanical Society of America. He is chairman of Ohio State University's botany department.

Buffalo Paint Club Hears Schwarcman on Chemistry

Dr. Alexander Schwarcman, research director for Spencer Kellogg & Sons, was the guest speaker at the January meeting of the Buffalo Paint, Varnish and Lacquer Association. Dr. Schwarcman, who has spent the past thirty years in the vegetable oil industry, spoke on "What Is Chemistry and Science Doing for Us?" He traced the development of chemistry from its infancy and asserted that it has been the "thinker and the philosopher, not the modern engineer and chemist who have made possible the scientific marvels of our day."

Today the great goal of the scientist is transmutation, Dr. Schwarcman said in conclusion. Many elements have already been transmuted, and what great worlds of discovery lie within the secret of transmutation, no one knows, he said. Following the close of his address, Dr. Schwarcman answered numerous questions from the floor concerning various types of oils.

Milton L. Back, president of the association, presided at the meeting. A large delegation of members of the Western New York Paint and Varnish Production Club attended the meeting. Mr. Back announced that the general chairman for the 'Ladies' Night-Valentine' party, to be held February 10, is R. C. Stark, of Pratt & Lambert, Inc. W. Robert Melville, Buffalo manager for National Lead Company, has been appointed to the membership committee of the national association.

Phila. Paint Club Names Committee Chairmen

The Philadelphia Paint, Varnish and Lacquer Association held a meeting at the Hotel Warwick January 10, with sixty-nine members and guests in attendance.

The guest speaker was Major Edward A. Davies, vice president and general manager of radio station "WIP," Philadelphia. Mayor Davies, who stated during the past few years he had made sixteen trips to Europe, entitled his talk "The European Kaleidoscope." He found everywhere a conglomeration of ideologies and psychologies. Actual conditions in Russia, he said were appallingly cruel from any point of view.

President Kluth announced the newly appointed committee chairmen, as follows:—

Audit, H. Brenizer; budget, S. French Reeves; constitution and by-laws, H. R. Dowdy; credit, H. E. Rhell; executive, S. R. Matlack; industrial sales, R. W. Matlack; legislation, W. A. Gorrell; membership, Jos. A. Morris; nominating, Wm. H. Jarden, jr.; outing, H. B. Almond; program, Jos. W. Gardiner; publicity, G. B. Heckel, jr.; resolutions, C. P. Jarden, and trade sales, Wm. MacKnight.

The next meeting, on March 27, will be the annual "Ladies Night," which will be held at the Germantown Cricket Club.

High-Boiling Solvents Offered by Neville Co.

The Neville Company, Pittsburgh, is offering a group of new high-boiling solvents which it says are naphthalene-free, have a high solvent power (equal to 2-50-W high-flash naphtha), and high flashpoints. These new solvents are called "Cosols." There are three of them, with the following characteristics:—

	Cosol No. 1.	Cosol No. 2.	Cosol No. 3.
Specific gravity at 15.6/15.6° C.	.873	.912	.946
Distillation range (°C.)—			
Initial	162	164	202
5 percent	167	177	215
30 percent	170	194	227
50 percent	172	209	232
80 percent	184	230	237
95 percent	212	242	246
Dec.	235	249	255
Off	99%	99%	99%
Relative anailn point	30	30	28
60-W-5 acid wash	2	4	5
Color, Saybolt	+30	+20	+14
Corrosion	Neg.	Neg.	Neg.

"Cosols" are priced in all grades at 27 cents a gallon in tankcars; 30 cents in returnable drums, car lots; 32 cents, less car lots; f.o.b. Neville Island, Pittsburgh. In nonreturnable drums the prices are 4 cents a gallon additional.

Detailed information may be got by addressing the company and mentioning the REPORTER.

Plate glass production for December totaled 18,477,277 square feet, against 12,691,262 square feet in December, 1938.

Annual Party of the American Flange & Manufacturing Company, in the Park Central Hotel, This City, January 5, at Which More Than 200 Were in Attendance

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-eight-first Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

1-Amino-4-paratoluenesulphonamidoanthraquinone-2-carboxylbetagammadihydroxypropylamide

Cellulose Products

Red dye (Brit. 488863) for—
  Cellulose esters and ethers

Dye

Intermediate (Brit. 488863) in making—
  Dyestuffs

Barium Chloride

(*Continued from January 15 issue*)

Miscellaneous

Process material in—
  Salt brine purification
Ingredient of—
  Cleaner (U.S. 1327631)
  Fluxes used in soldering aluminum or magnesium (French 592413)
  Gelatin-base compositions used in the reproduction of commercial documents, such as bills of lading, customs records, and the like (French 493776)

Paint and Varnish

Process material in making—
  Blanc fixe
  Calcimine (U.S. 1244033)
  Cement paint (U.S. 1197599 and 1220821)
  Color lakes of various sorts
  Color lakes (special) (U.S. 1126591, 1126664 1232551, 1232552, 1358007, 1369252, 1378418, 1434619, and 1445331; French 608301)
  Oxidized drying-oil derivatives used as varnish ingredients (Brit. 402759)
  Paints of various sorts
  Paints (special) (U.S. 1286916) and 1369252)
  Pigments of various sorts
  Pigments (special) (U.S. 1155462, 1220973, 1236655, 1259708, 1286916, 1504673, and reissue 14289)
  Titanium dioxide (U.S. 1189229)
  Zinc sulphide pigment (U.S. 1443077)

Paper

Agent (U.S. 1284739 and 1284740) for—
  Treating cellulose sulphite liquor
Ingredient (U.S. 1147996) of—
  Coated paper
Retaining agent (Brit. 483964) for—
  Resinous content of pulps obtained by grinding highly resinous woods

Petroleum

Component (U.S. 1421706 and 1452463) of—
  Cements for sealing and grouting oil wells
Reagent in—
  Sulphate determinations in oilfield water analysis

Pharmaceutical

In compounding and dispensing practice
Process material (U.S. 1392767) in making—
  Thyroid product

Photographic

Process material in making—
  Photographic chemicals
  Photographic paper (U.S. 1504150)

Rayon

Fixing agent (French 601297) for—
  Luster, brilliancy, transparency, and general "new" appearance of acetate rayon subjected to hot or boiling liquids.
Ingredient (Brit. 401282) of—
  Sizes for rayons
Insolubilizing agent (Brit. 459388) for—
  Triethanolamine stearate in lubrication and weighting processes for cellulose derivatives
Mordant (French 590738) in—
  Dyeing acetate rayon
Process material in—
  Delustring rayons

Refractory

Process material (U.S. 1156018) in making—
  Refractory substance

Refrigeration

Ingredient of—
  Brines
  Brine containing also potassium chloride and sodium chloride (U.S. 1969124)

Rubber

Catalyst (U.S. 1202282) in making—
  Isoprene
Process material (U.S. 1509603) in making—
  Synthetic rubber

Stone

Component (U.S. 1256324 and 1456667) of—
  Artificial stone

Sugar

Purifying agent for—
  Molasses
  Sugarcane juices

Textile

Fixing agent for—
  Acid dyes on inert bases
Mordant in—
  Dyeing processes
Process material in—
  Calico printing
  Dyeing processes
  Linen bleaching (U.S. 1155102)
Weighting agent for—
  Fabrics

Water and Sanitation

Precipitating and removing agent for—
  Sulphates
  Sulphates (special) (U.S. 1370646 and 1435180)
Softening agent for—
  Water

Carbonyl Cyanide

Chemical

Reactant in—
  Organic syntheses

Military

Suggested for use as—
  Military poison gas

Dodecylbenzylmethylsulphonium Ethylsulphate

Disinfectant

Bactericide (U.S. 2155504) for—
  Coli bacilli (1:1000)
  Diphtheria bacilli (1:10,000)
  Staphylococci (1:10,000)
  Typhus bacilli (1:1000)

Heptadecylureidomethylpyridinium Chloride

Textile

Waterproofing agent (Brit. 497856) for—
  Textiles (said to give water-repellent effects fast to washing and dry cleaning)

Sodium Betaparaphenylphenoxyethylsulphate

Adhesives

Wetting agents (Brit. 479835 and 481557 in—
  Adhesive preparations

Chemical

Foaming agent (Brit. 479835 and 481557) of high power
Wetting agent (Brit. 479835 and 481557) in—
  Emulsions of various chemicals
  Textile lubricants

Cosmetic

Wetting agent (Brit. 479835 and 481557) in various cosmetic preparations

Disinfectant

Wetting agent (Brit. 479835 and 481557) in—
  Disinfecting compositions
  Germicidal compositions

Dry Cleaning

Wetting agent (Brit. 479835 and 481557) in—
  Dry-cleansing solutions

Dye

Wetting agent (Brit. 479835 and 481557)

Fats, Oils, and Waxes

Wetting agent (Brit. 479835 and 481557) in—
  Boring oils
  Cutting oils
  Drilling oils
  Greasing compositions
  Lubricating compositions
  Sulphonated oils
  Wax preparations
  Wire-drawing oils

Ink

Wetting agent (Brit. 478835 and 481557) in—
  Printing inks
  Writing inks

Insecticide and Fungicide

Wetting agent (Brit. 479835 and 481557) in—
  Fungicidal compositions
  Horticultural sprays
  Insecticidal compositions

Leather

Wetting agent (Brit. 479835 and 481557) in—
  Dressing compositions
  Fat-liquoring compositions
  Finishing compositions
  Soaking compositions
  Softening compositions
  Tanning compositions
  Waterproofing compositions

Metallurgical

Wetting agent (Brit. 479835 and 481557) in—
  Metal-plating processes

Miscellaneous

Foaming agent (Brit. 479835 and 481557) of high power
Modifier (Brit. 479835 and 481557) of—
  Surface tension of liquids in various products and processes
Wetting agent (Brit. 479835 and 481557) in—
  Embalming fluids
  Polishing compositions for furniture, automobiles, metals, wood, glass, and other articles
  Soldering fluxes
  Various processes involving aqueous solutions, such as soaking, washing (impregnating, penetrating, wetting
  Wallpaper removers
  Waterproofing compositions

Paint and Varnish

Wetting agent (Brit. 479835 and 481557) in—
  Paints, varnishes, and lacquers
  Pigment manufacture

Paper

Wetting agent (Brit. 479835 and 481557) in—
  Sizing compositions
  Waterproofing compositions
  Waxing compositions

Petroleum

Wetting agent (Brit. 479835 and 481557) in—
  Cutting oils
  Mineral oil compositions
  Pitch compositions
  Tar compositions

Photographic

Wetting agent (Brit. 479835 and 481557) in—
  Blueprint processes
  Photographic processes

Rubber

Wetting agent (Brit. 479835 and 481557) in—
  Cements

Soap

Wetting agent (Brit. 479835 and 481557) in—
  Detergent compositions
  Textile soaps

Textile

Bleaching

Wetting agent (Brit. 479835 and 481557) in—
  Bleaching baths

Dyeing

Wetting agent (Brit. 479835 and 481557) in—
  Dye baths

Finishing

Wetting agent (Brit. 479835 and 481557) in—
  Coating compositions
  Scouring compositions
  Sizing compositions
  Washing compositions
  Waterproofing compositions
  Waxing compositions

Manufacturing

Wetting agent (Brit. 479835 and 481557) in—
  Bowking baths
  Carbonizing baths
  Degreasing compositions
  Degumming and boiling-off baths
  Fulling baths
  Kier-boiling baths
  Mercerizing baths
  Oiling compositions
  Soaking baths
  Spinning compositions

Printing

Wetting agent (Brit. 479835 and 481557) in—
  Printing pastes

Tolylheptadecyl Ketone, Tetrachlorinated

Lubricant

Claimed (Brit. 481338 and 487642) as—
  Lubricant
Starting point (Brit. 481338 and 487642) in making—
  Extreme pressure lubricants by admixture in equal parts with Pennsylvania bright stock

---

Ureidoacetylpyridinium Chloride

Textile

Claimed (Brit. 497368) as—
  Highly useful agent for processing textile fabrics

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Dyestuffs, Textile and Leather Chemicals

Business Remains Quiet — Imported Egg Products Easier — Sulphonated Castor Oil Up—Bichromates Firm—Tanning Materials Steady — Corn Derivatives Dull

There was little feature to the trading in dyestuffs, textile and tanning materials last week. Practically all divisions of the market were quiet, and the lethargy prevalent for the past few weeks was without any tangible improvement. Some replacement buying was anticipated, but so far nothing developed. Consumers apparently were content to draw upon inventories built up during the final quarter when prices were beginning to firm. Price changes were few; imported egg products were lower following the trend in domestic materials. Sulphonated castor oil firmed as a result of the higher basic material costs.

Potash and soda bichromate moved well against contracts, although volume did not compare with the peak levels a few months previous. Sellers were virtually caught up with the demand, and shipments moved in better volume to regular export channels. Less activity in the resale market than heretofore. Potash and soda prussiate demand failed to broaden, but prices were well sustained. Antimony salts was nominal.

Corn derivatives failed to change, despite some easiness in the corn market. However, consumers were disposed to await further developments before expanding commitments. Interest in tanning materials and extracts was only fair. The market offered nothing new in the way of price developments, but the general tone of the market was regarded as firm.

Chemicals

Alumina Acetate.—Firm prices prevailed. Transactions failed to expand, and commitments only moderate.

Alumina Chloride.—Routine interest against contracts. Prices well sustained.

Chrome Acetate.—Small quantities made up the call. Prices without alteration.

Antimony Salts.—Offerings not large, but demand dull. Prices strictly nominal.

Potash Bichromate.—Moderate interest against contracts. Good export inquiry, and shipments moving to regular channels steadily. Prices firm.

Potash Prussiate.—Consumers ordered close to production needs. Prices for yellow firm, while the red was still nominal. November imports totaled 37,648 pounds, valued at $8,927, of which 32,136 pounds came from the Netherlands and 5,512 pounds from Germany.

Soda Bichromate.—Business leveling off from peak levels, but still steady. Active export interest. Prices very firm. November exports 1,299,573 pounds, valued $102,896, with Canada and the United Kingdom the largest purchasers.

Soda Prussiate.—Buying interest only moderate. No change in the prices. November imports 11,023 pounds, valued at $646, all of which came from Belgium.

Sulphonated Oils.—Prices for castor were irregularly higher, advances ranging from ¼c. to 1c. per pound. No change took place in the tallow and olive. Business was quiet.

Dyestuffs

Annatto.—Small quantities provided the bulk of activity. Prices failed to change.

Cochineal.—Consumers ordered close to current needs, and dealings were dull. Prices were well sustained.

Fustic.—Only moderate demand was reported in most directions. Price-wise a firm tone governed the dealings.

Hypernic.—Prices were unchanged and firm. Business failed to expand.

Indigo.—Little feature to the trading, but prices were in conformity with those prevailing previously.

Logwood.—There was little effort shown by consumers to broaden commitments. Prices were without change. November exports of extract totaled 73,752 pounds, valued at $12,815, of which 63,103 pounds went to Canada.

Price Changes

Advanced

Castor oil, sulphonated, 1c. per lb.

Reduced

Egg albumen, imp., 3c. per lb.
yolk, imp., 2c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
147.1	**147.1**	**148.5**	**147.0**

Market news that may have developed after this report was sent to press will be found on page 4.

Turmeric.—Quiet conditions prevailed. Prices were about the same, and nominal.

Sizing Materials

Albumen, Blood.—Demand moderate, but adequate to maintain firm position of market. Prices unaltered, and firm.

Albumen, Egg.—Business dull. Domestic prices unchanged. Imported offered at 62c., a reduction of 3c., which reflected easiness in domestic market.

Corn Sugar.—Consumers displayed no disposition to broaden commitments. Prices were about steady.

Dextrin, Corn.—Some caution was noted in making new replacements, with consumers awaiting further developments in the basic commodity market. Prices unchanged. Improved export position of corn helped prices from sagging too much.

Egg Yolk.—Imported material available at 56c. to 58c. per pound. No change in domestic prices. Little activity.

Starch, Corn.—Prices failed to change, despite some easiness in corn market. Most consumers content to await further developments. Visible supplies of corn for week ended January 13 totaled 44,463,000 bushels, against 47,145,000 bushels in same week a year ago.

Sago Flour.—Buying on limited basis, reflecting to some extent consumers' desires to keep inventories at reasonable levels. Prices unchanged.

Tapioca Flour.—New business rather restricted. No further changes in prices. Shipments to the United States from Java and Madura increased in the third quarter of 1939 to 41,185 metric tons, against 33,276 tons in the preceding quarter and 34,117 tons in like quarter a year ago. Most of the increase took place in September in anticipation of the higher costs.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Tanning Materials

Chestnut Extract.—Prices firm. Buying moderately active.

Cutch.—Shipments against contracts fairly steady. Quotations firm.

Gambier.—Quiet. Quotations for common, plantation and cubes unchanged and nominal.

Mangrove Bark.—Fair interest, and prices firm at previous levels.

Myrobalans.—No new developments pricewise. Shipments move moderately.

Oakbark Extract.—The position of the market continued good. Shipments moved against contracts satisfactorily.

Quebracho.—Consumers made necessary replacements as a rule. Prices unaltered, and market tone firm.

Sumac.—Trading lacked any new features. Prices were without change.

Valonia.—Quotations steady to firm. A moderate inquiry was reported.

Wattle Bark.—Prices for African material held at the levels established the previous period. Business fair.

'Calox' Not a Bar To 'Cal-lux' Registry

OPD Washington Bureau January 17, 1940

The United States Patent Office has sustained the decision of its examiner of interferences dismissing the opposition of McKesson & Robbins, Inc., Bridgeport, Conn. (William J. Wardell, trustee for estate of McKesson & Robbins, Inc., substituted), to registration by the Eisler Electric Corporation, Union City, N. J., of the notation, "Cal-lux," as a trademark for "chemicals which may be used for producing a fluorescent coating on tubing and bulbs for electric lamps."

The McKesson & Robbins opposition was based on ownership of the trademark, "Calox," for toothpowder. The Patent Office decision notes that the goods are not of the same descriptive properties, and that one product is sold only to manufacturers of electrical goods and the other through retail druggists.

In another decision involving a McKesson & Robbins opposition based on its ownership of the "Calox" mark, the Patent Office has dismissed the opposition to registration by the Vick Chemical Company, New York, of the notation, "Vicks Cadoc," for use on analgesic tablets and laxative tablets. The opinion holds that the goods are so different that confusion is not likely to result from use of the two marks.

Alabama By-Product Corporation, Birmingham, has asked for bond tenders of an amount of the company's first consolidated and refunding mortgage 6 percent bonds, due January 1, 1955, sufficient to exhaust $65,270.

Tariff Board Reports Trade Pact Effects

—Continued from page 3

the agreement went into effect and the trade during the entire period from that date through October, 1939.

The ten countries covered by this tabulation accounted in 1938 for 92 percent of the total exports from the United States to all countries with which trade agreements had been made before 1937 and for 90 percent of total imports from all such countries. They include all the principal trade agreement countries except Switzerland and Netherlands West Indies. The following table summarizes the statistics for the ten countries covered by the statement:—

Country.	Pre-agreement.	Post-agreement.
Belgium—		
Exports to.....	$47,300,000	$72,400,000
Imports from.....	26,100,000	67,000,000
Brazil—		
Exports to.....	42,000,000	62,300,000
Imports from.....	95,000,000	105,700,000
Canada—		
Exports to.....	312,800,000	459,000,000
Imports from.....	239,000,000	341,100,000
Colombia—		
Exports to.....	22,200,000	40,500,000
Imports from.....	47,300,000	48,700,000
Cuba—		
Exports to.....	30,000,000	73,500,000
Imports from.....	59,700,000	119,200,000
Finland—		
Exports to.....	6,500,000	12,700,000
Imports from.....	12,200,000	18,800,000
France—		
Exports to.....	115,200,000	151,400,000
Imports from.....	59,200,000	65,000,000
Netherlands—		
Exports to.....	50,000,000	82,800,000
Imports from.....	34,500,000	41,600,000
Netherlands E. Indies—		
Exports to.....	10,500,000	24,600,000
Imports from.....	46,300,000	83,800,000
Sweden—		
Exports to.....	27,800,000	62,700,000
Imports from.....	32,700,000	48,400,000

'Drugs, Oils and Paints' Changes Its Name

Drugs, Oils and Paints, paint trade journal published in Philadelphia since 1885, is now the *Paint Industry Magazine*. Its name was changed with the issue for January, 1940.

The Paint Industry Magazine, was the *Philadelphia Drug, Oil and Paint Reporter* from 1885 until 1892 when it became the property of G. B. Heckel — "Uncle George" whose eightieth birthday was celebrated by the paint industry two years ago. Mr. Heckel changed the name to *Drugs, Oils and Paints*, and he is still the publisher now when the paper gets another new title.

Dr. August Merz, vice-president of the Calco Chemical Division of the American Cyanamid Company and president of the Synthetic Organic Chemical Manufacturers Association, has made a fully gratifying recovery from the appendectomy which he underwent late last month.

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Coal-Tar Bases
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Pickling Inhibitors
Benzol
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Solvent Naphtha
Hi-Flash Solvent
Flotation Reagents
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Hydrogenated
Coal-Tar Chemicals
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Coaltar Chemicals

Business Continues to Display Leveling Off From Peak—Coaltar Acids, Intermediates and Colors Move Steady—Progress Made in Reducing Heavy Backlogs in Toluol

Demand for coaltar chemicals continued to level off from peak levels last week. However, interest was sufficient to keep the market in a strong position. Sellers made considerable progress in depleting heavy backlogs. Production was maintained at high levels. A resumption of broader buying was looked for in many items soon as a result of normal seasonal developments. Contract work has been practically completed. Pricewise nothing new occurred, and quotations were well sustained in all divisions.

While toluol remained in a tight position, reports were to the effect that progress had been made in reducing the backlog of orders, and by the end of the month production and demand were expected to show a more even balance. An active export inquiry prevailed for nitration toluol, however, only small quantities were available at premium levels. Industrial withdrawals of benzol remained satisfactory, and despite high production little surplus material was reported. A better export demand was prevalent. Xylol fully retained its firm position.

A steady interest was manifest in creosote oil from major consuming channels. Cresols held firm. A more moderate purchasing policy was evident for various grades of cresylic acid. Phenol moved out steadily. Producers were not in a position to offer a great deal for export. Interest in tar acid oils was along seasonal lines. Pyridin offered nothing new, with the market well sold ahead.

Transactions in coaltar acids were only moderate, and prices were firm. November imports totaled only 21,952 pounds, valued at $13,620, all of which came from Germany. Exports during November were 178,466 pounds, valued at $30,355. Various intermediates moved steadily against contracts. November imports totaled 65,599 pounds, valued at $63,277, while exports aggregated 709,101 pounds, valued at $151,134. There was little broadening in demand for coaltar colors, but inquiries for export kept the market in a firm position. During November Canada was the outstanding buyer of colors from this country, taking 574,992 pounds; China purchased 391,348 pounds; Mexico and British India were also representative factors.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand from industrial channels continued satisfactory. However, there was less disposition to press sellers for shipments. Volume was believed to be somewhat less than the peak levels, but sufficient to keep production and shipments at a favorable pace. A good inquiry existed for export, and some fair sized orders moved in this direction. November exports were 84,541 gallons, valued at $17,497, of which 24,472 gallons went to Canada; 21,127 gallons to Cuba, and 18,100 gallons to Argentina.

Carbazole.—The market underwent no change from the preceding period. Trading was routine, and prices were well sustained.

Coaltar.—Dealings were without much feature and transactions practically confined to normal contract requirements. Prices were firm. November exports totaled 357,234 gallons, valued at $18,427, of which 350,994 gallons went to Canada.

Creosote Oil.—A steady buying interest against contracts prevailed. Pricewise the market fully retained its firm tone. November imports aggregated 4,546,751 gallons, valued at $478,821, of which 3,589,407 gallons came from the United Kingdom and 947,332 gallons from Japan.

Cresol.—Market position remained firm. Shipments against contracts were steady, with spot offerings negligible. Quotations remained the same.

Cresylic Acid.—New business was only moderate, and sellers concentrated on making shipments against contracts. Prices were firm. Little inquiry was uncovered for the imported material, but prices were retained at previous levels. November imports totaled 135,746 gallons, valued at $49,039, of which 129,196 gallons came from the United Kingdom.

Naphthalene.—Dealings in crude were strictly routine. Prices were without alteration. Movement of refined were moderate, and a firm price tone prevailed. Not much activity in the imported grades.

Oil, Shingle Stain.—Transactions failed to broaden, and business was along normal seasonal lines. Prices were without change and firm.

Phenol.—Shipments were moving steadily to major consuming channels. A fair inquiry existed for export, but offerings were small. Prices continued firm. November exports 425,005 pounds, valued at $53,233, of which 181,051 pounds went to Belgium, 88,200 pounds to the Netherlands, 32,850 pounds to Switzerland, 26,970 pounds to China and 67,200 pounds to Australia.

Pitch, Coaltar.—Buying from usual channels was moderate. Pricewise no new developments occurred. November exports amounted to 507 tons, valued at $9,361, of which 383 tons went to Canada.

Pyridin.—Market offered nothing new, shipments moved direct from production channels. Prices rule firm.

Tar Acid Oils.—Interest in the market was only fair. Sellers adhered to prices in force previously and the tone was on the firm side.

Toluol.—While some progress has been reported in clearing up heavy backlogs, sellers were still behind production and business was usually restricted to regular consumers. Export inquiry was very active, but offerings were held to a minimum.

Xylol.—Shipments against contracts were well maintained and the market continued firm. There was not much interest in the export market.

—Continued on page 33

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

F.T.C. to Investigate Distribution Costs

—Continued from page 3

The investigation of methods and costs of distribution was proposed by the commission because of an estimate that more than one-half of the final cost to the consumer of all commodities taken together consists of distribution costs; whereas, formerly, the chief item in final cost was production. Additional importance is given to this subject by the growth of the consumer movement, constant pressure for legislation affecting distribution, and the growing interest of the government in distribution problems.

Some of the subjects outlined for coverage in this investigation are disclosure of facts concerning the increasing percentage of distribution costs and retail mark-ups; variations in distribution costs as among industries and individual companies, with a view of eliminating expensive methods; effect on employment of high prices resulting from uneconomic distribution methods; the place of advertising in distribution, and its economic cost and service; the operation of the Robinson-Patman act; other legislation affecting distribution, such as laws on selling below cost, resale price-maintenance, commercial bribery, unfair trade practices, and State trade barriers.

The investigation of corporation financial and accounting reports was begun by the Federal Trade Commission when it was organized in 1915, but the work was first interrupted by the World War and later was hindered by injunctions and by lack of appropriations. The subject was revived by President Roosevelt in a letter to the commission March 22, 1938, in which he asked that agency to gather and compile pertinent information concerning the organization, business, conduct, practices, and management of corporations engaged in interstate commerce. The work is to be done in co-operation with the Central Statistical Board and the Department of Commerce.

The commission proposes to select certain industries on the basis of importance and diversity, and to collect periodic financial accounting reports. One purpose in studying these reports would be to aid in promoting orderly business operations and a larger, more stable employment of labor, and other objects would be to supply useful information to guide business management, to forestall unwarranted speculation, and to prevent overexpansion of plant capacity and overproduction.

Tax Plans Remain In Proposal Stage

—Continued from page 3

the coming year. In the meantime, discussion of any specific new tax is premature, as none of the proposals has had careful study as yet.

As a result of the government's present fiscal position there is virtually no chance that any excise taxes will be eliminated or reduced at this session of Congress. The pressing need for every dollar of revenue probably dooms such proposals as those to eliminate the beverage alcohol tax on undenatured alcohol used for non-beverage purposes, or to terminate the many "temporary" excise taxes which were first enacted in 1932 and have been extended every two years since.

Insecticide Corp. Formed

The Insecticide Corporation of America, Medina, N. Y., has been formed to manufacture insecticides, fungicides, seed-treating materials and fertilizers. The new company plans the acquisition of the physical property of the former New York Insecticide Corporation, Medina, and the merging of the Miller Chemical Company, Baltimore, and the Central Chemical Company, Hagerstown, Md.

The board of managers of the new organization consists of Deane Strickler, who has been sales manager of the insecticide branch of the Miller organization; Daniel Connelly, who until 1936 was affiliated with the Ansbacher-Siegle Corporation, Staten Island; E. B. Pinkerton, vice-president of the Miller Chemical & Fertilizer Corporation, and M. C. Morton, vice-president of the Central Chemical Corporation.

Coaltar Chemicals

—Continued from page 32

Chicago Coaltar Bases

The coaltar bases market is holding firm, with demand good, and with current call for representative materials sufficient to keep market balance in effect despite the relatively high level of production. Benzol market values are well maintained, and tone of the product is steady, with orders quite brisk. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Transactions routine. Prices well sustained.

Cleve's.—Moderate quantities make up the call. No change in the prices.

Fumaric.—Interest steady against contracts. Price tone firm.

Gamma.—Spot and contract commitments limited. Firm tone characterized trading.

H.—Buying strictly routine. Nothing new regarding prices.

Laurent's.—Orders held close to production requirements. Quotations well maintained.

Maleic.—Market moderately active. Prices ruled unchanged, and tone of market firm.

Malic.—Firm price tone, with dealings fairly steady.

Picramic. — Demand sufficient to keep market position favorable. Prices without fluctuation.

Picric.—Shipments moved to regular consuming channels satisfactorily. Quotations firm.

Salicylic.—Technical in fair demand. Prices remain the same.

Sulphanilic. — Steady interest for moderate quantities. Firm price tone.

Tobias. — No new price developments and tone of the market firm. Demand fair.

Other Intermediates

Alpanaphthol. — Prices firm. Trading confined to small quantities.

Anilin Oil.—Spot and contract shipments moderately active. Prices in conformity with those prevailing previously.

Anthaquinone. — Dealings held close to production requirements. Prices without change.

Benzaldehyde. — Business fairly steady in technical. Pricewise firm tone prevailed.

Benzidin Base.—Prices were firm, and trading moderate.

Betanaphthylamine. — No broadening in demand for technical. Business sufficient to keep market position firm.

Dimethylanilin.—Consumers entered market steadily for necessary needs. Prices without alteration.

Dinitrobenzene. — Shipments moved to regular consumers steadily. Quotations ruled firm.

Dinitronaphthalene. — Market position strong, and dealings confined to usual channels.

Dinitrophenol.—No new developments, but market fully retained its satisfactory position.

Dinitrotoluene.—Firm price tone, shipments against contracts steady.

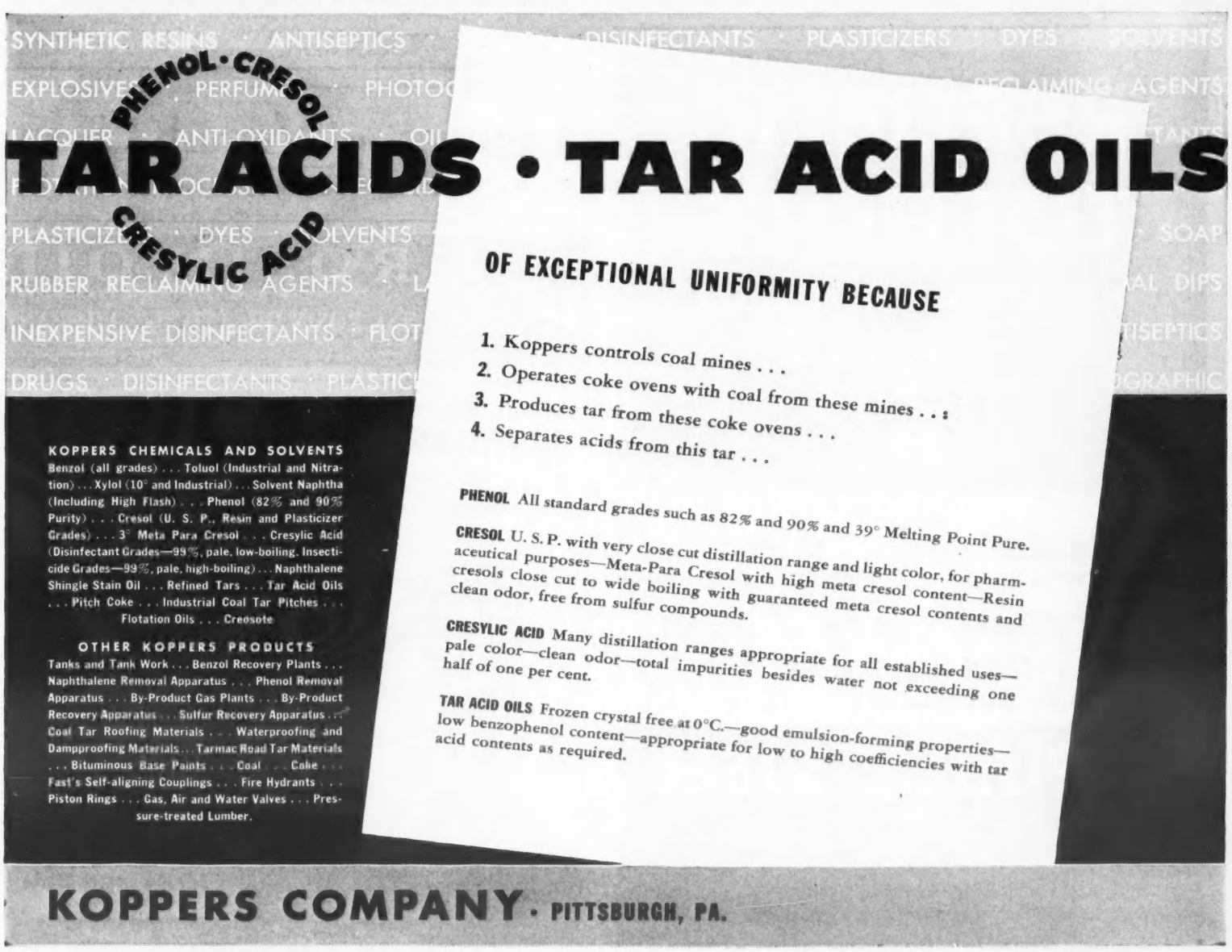
G. Salt.—Business routine. Prices unchanged and firm.

Metanitroanilin.—Quotations remain firm. Dealings moderately active.

Metanitroparatoluidin. — Nothing new transpired in the prices. Steady buying movement.

Metaphenylenediamine. — Business confined to modest proportions. Prices well sustained.

Monochlorobenzene. — Shipments against contracts well maintained. Prices in line with those prevailing previously.


SYNTHETIC RESINS · ANTISEPTICS · DISINFECTANTS · PLASTICIZERS · DYES · SOLVENTS
EXPLOSIVES · PERFUMES · PHOTOG · RECLAIMING AGENTS
LACQUER · ANTI-OXIDANTS · OIL · TANTS
PLASTICIZERS · DYES · SOLVENTS · SOAP
RUBBER RECLAIMING AGENTS · L · AL DIPS
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DRUGS · DISINFECTANTS · PLASTIC · GRAPHIC
PHENOL · CRESOL
TAR ACIDS · TAR ACID OILS
CRESYLIC ACID
OF EXCEPTIONAL UNIFORMITY BECAUSE
1. Koppers controls coal mines . . .
2. Operates coke ovens with coal from these mines . . :
3. Produces tar from these coke ovens . . .
4. Separates acids from this tar . . .
PHENOL All standard grades such as 82% and 90% and 39° Melting Point Pure.
CRESOL U. S. P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor, free from sulfur compounds.
CRESYLIC ACID Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.
TAR ACID OILS Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.
KOPPERS CHEMICALS AND SOLVENTS
Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—99%, pale, low-boiling. Insecticide Grades—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote
OTHER KOPPERS PRODUCTS
Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulfur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's Self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Pressure-treated Lumber.
KOPPERS COMPANY · PITTSBURGH, PA.

Nitrobenzene.—Steady buying interest from various consuming channels. Quotations firm.

Orthonitrotoluene. — Market retains firm position. Business steady.

Orthotoluidin.—Price developments lacking, and tone firm. Buying moderate.

Paranitroanilin. — Contract withdrawals steady for nearby needs. Nothing new to report in the prices.

Paratoluidin. — Firm price tone characterized trading. Withdrawals well maintained.

Phthalic Anhydride. — Consumers entered market for good size replacements against contracts. Prices unchanged, and undertone firm.

Schaeffer's Salt.—Little feature to the dealings, with interest routine. Prices without alteration.

Soda Naphthionate.—Demand failed to broaden to any degree, but buying adequate to keep market firm.

Soda Picramate.—Prices unchanged and firm. Business moderate.

Thiocarbanilide. — Usual consumers exerted fair interest. No change disclosed in the quotations.

Xylidin.—Quotations in conformity with those prevailing previously. Business moderate.

Coaltar Colors

Buying in the market for coaltar colors continued moderate last week. Consumers followed a steady purchasing policy, but were not inclined to expand commitments beyond nearby production requirements. Inquiry and shipments for export continued to give the market a firm tone, taking up any lag that may have occurred in domestic transactions recently.

Exports during November of coaltar colors, dyes and stains amounted to 1,970,031 pounds, valued at $882,903. Canada was the outstanding buyer, taking 574,992 pounds, valued at $345,582; China received 391,348 pounds; Mexico, 142,366 pounds, and British India, 110,493 pounds. November imports aggregated 396,054 pounds, valued at $727,383, of which 126,865 pounds came from Germany and 248,856 pounds from Switzerland.

Parker Rust-Proof Upheld In Patent Infringement Suit

The basic patents of the Parker Rust-Proof Company were held valid today, in a decision handed down by Federal Judge Lederle in a suit brought by the American Chemical Paint Company, charging infringement of patents. The decision covered the Parker company's bonderizing process of rust-proofing, and enjoined the American Chemical Paint Company from using or selling the materials and processes covered by the patent in suit, particularly its "spray granodine" and "electro granodine" processes. The court also ordered the American Chemical Paint to an accounting to it of profits gained by the American Chemical Paint and all damages sustained by the Parker company on account of past infringement.

S.O.C.M.A. Files Protest Against Tariff Bargaining

—Continued from page 3

have been a different story, and we do not look ahead with any assurance when we see how cheaply Japan, for example, can produce. That country had begun quite a diversified organic chemical industry before it became involved in China. We know what Germany can do when ready and free to act.

However, when these wars are over the impoverished nations in their desperate need will certainly dictate low prices to move their peacetime products in order to secure foreign exchange for their necessary imports.

Not only the products of our industry will have to meet cheap prices and lower protection, but even more the products of those industries that consume our manufactures, particularly the textile field, will have to meet this threat also.

From these and other considerations, we believe this is no time to extend agreements or lower any rates.

Chemical Salesmen to Meet

A luncheon-meeting of the Salesmen's Association of the American Chemical Industry will be held in the Chemists' Club, this city, January 23. At this meeting there will be the installation of officers of the association for 1940. The luncheon will be served at 12:30 p.m.

Flax Institute Reports Activities

—Continued from page 5

sufficient seed for the increase in acreage fell upon the institute, and the response to the demand was excellent throughout the Spring of 1939.

Through the enlistment by the institute of the Department of Agriculture in the fight for larger acreage and better growing conditions the AAA crop control program removed flaxseed from the soil-depleting crops. The Flax Development Committee's findings, as reported at the annual meeting, made the institute's year a success from that standpoint, and the excellent, coordinated work of the regional nurseries more than warranted the institute's existence.

The fight against grasshoppers in the Western farm areas was carried on by a great number of agencies in all sections, and the backing that was given the local agencies by the institute aided materially in quelling the insect pest in the Northwest. The grasshopper is a distinct enemy of the tender flaxplant, and the institute again scored in its fight for a larger domestic crop.

The sharp increase in grower interest in the flax schools in this section was even more marked in the past year, and the facilities of the institute were strained to meet public demand. The flax trains, institute sponsored, have become a familiar means of bringing the latest developments in the scientific world of flaxseed directly to the grower in the field. Demand for flax schooling facilities for the 1940 season are expected to exceed the 1939 call, and the first meetings of the current crop year have been held under favorable conditions, more than 2,500 growers attending a regional meeting held late in November.

There is still a great work to be done in the world of flax, but the accomplishments of the institute in 1939 have given added hope that the United States will have a domestic flax crop of adequate proportions in a much shorter time than was thought possible. The country as a whole will benefit from a well-planned, orderly marketed, high-quality flax crop, and the paint and varnish industry will have a steady source of supply for its basic raw material, one that is free from foreign entanglements and will reflect a steady year-to-year quality as the institute's program continues.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in. 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

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Established 1889

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
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WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
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SILVATEEN SILICA — Colloidal Suspension Qualities
Mines and Mills: Tamms, Ill. TAMMS SILICA CO. 228 N. La Salle St. Chicago, Ill.

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NITRATION-COMMERCIAL
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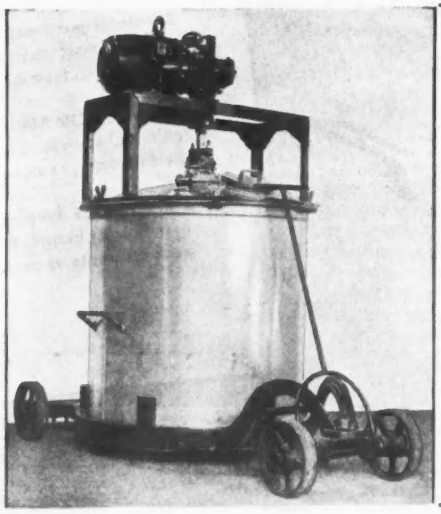

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BECAUSE BRIGHTON HAS
1. Extensive fabricating experience.
2. Highly trained skilled labor.
3. Thorough inspection.
4. Efficient prompt service.
5. Guaranteed satisfaction.
Repeat orders from all over the country for Brighton Kettles have demonstrated the truth of these statements.
Write for quotations on your requirements
Brighton Copper Works
Kindel at Central
Cincinnati Ohio

Paint, Varnish, Lacquer Materials

Chalk-Resistant Titanium Dioxide Reduced — Barytes Market Tight — Domestic and Argentine Casein Weak — Cellulose Acetate and Triacetate Lowered — Naval Stores Firm

Following on the heels of reductions in lithopone and barium and calcinated titaniums, the chalk-resistant titanium dioxide quotation was lowered last week. This recent reduction was sharper than the preceding ones, but it did not tend to weaken the market. The barytes market was very tight, due to the heavy export call since early last month. One producer was withdrawing offerings of long-term contracts and was quoting on a day-to-day basis. There was a slight pick-up in the movement of earth and chemical dry colors to the trade.

Casein continued weak and both the domestic and Argentine grades were reduced. Copal and dammar gums were firm and glues were very strong. A prominent producer reduced the price for flake and granular types of cellulose acetate and triacetate. No change was made in quotations for cellulose mixed esters. A firm tone continued to prevail in Southern and local markets for naval stores, the tendency of turpentine and rosin still being upward, although changes in prices were not important. Business was quieter, this applying to both domestic and foreign trade. Receipts showed a further shrinkage and daily offerings in primary centers were light. Shellac was fairly quiet. Cables from Calcutta came in fractionally lower, but the more favorable price failed to result in larger buying for import into this market.

Price Changes

Advanced

Rosin, gum, 5c. to 25c. per 280 lbs.
Turpentine, gum, ½c. per gal.

Reduced

Casein, dom., ½c. per lb., f.o.b. works
imp., 1c. per lb., duty paid
Cellulose acetate, 1c. per lb.
triacetate, 1c. per lb.
Titanium dioxide, chalk-resistant, 1c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.3	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead markets were firm in primary and local centers, with the price maintained at 5.50c. to 5.55c. per pound in New York, and 5.35c., basis East St. Louis. Demand was fair. The slab zinc market was normal with the price unchanged at 5.75c. per pound, East St. Louis. The prime western committee of the American Zinc Institute reported that December sales for December delivery totaled 2,207 tons at a weighted average selling price of .06100, basis East St. Louis, and December sales for subsequent delivery of 3,958 tons at a weighted average selling price of .05842. There were also 1,025 tons sold for subsequent delivery at the average price.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from January 13 to January 19, inclusive, were as follows:—

	Per pound New York.	Per pound E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	$0.0550@.0555	$0.0535	.. *	..	..
Monday	.0550@.0555	.0535	..	..	..
Tuesday	.0550@.0555	.0535	..	..	..
Wedn'sd'y	.0550@.0555	.0535	..	..	..
Thursday	.0550@.0555	.0535	..	..	..
Friday	.0550@.0555	.0535	..	..	..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from January 13 to January 19, inclusive, were as follows:—

	Per pound New York.	Per pound E. St. Louis.	Spot. London. Per ton £	s.	d.
Saturday	$0.0615	$0.0575	.. *	..	..
Monday	.0615	.0575	..	..	..
Tuesday	.0615	.0575	..	..	..
Wednesday	.0615	.0575	..	..	..
Thursday	.0615	.0575	..	..	..
Friday	.0615	.0575	..	..	..

* London exchange closed.

Pigments

Antimony White. — Demand light with price nominal at 15½c. per pound, f.o.b. Texas.

Litharge.—Slightly larger shipments to battery-makers. Price firm.

Lithopone. — Sales volume about same as preceding week with recently-lowered price firm.

Metronite.—Price firm and demand unchanged and normal.

Orange Mineral.—Inquiry for future continued to show improvement but there was not much activity in the spot market.

Red Lead.—The steadiness of the metal market was reflected here, with the price firm and demand normal for this time of year.

Titanium Pigments.—Chalk-resistant titanium dioxide was reduced 1c. per pound to the following prices for delivery in bags: car lots, 15c. per pound; 5 tons, single delivery, 15¼c.; 1,000 to 9,999 pounds, 15½c.; 50 to 999 pounds, 15¾c. and smaller lots, freight paid, 18c. per pound. Barrel prices were also lowered 1c. per pound to a level of ¼c. higher than the above quotations in each case.

White Lead. — Demand continued fairly light which was normal for this time of year. Price was firm.

Zinc Oxides.—Shipments to the trade were at a healthy level and prices were firm.

Fillers and Extenders

Barytes.—Barrel price firm at $25.15 per ton for car lots, basis St. Louis and $26.15 for less car lots. Material in paper bags was quoted at $22.85 and $23.85, respectively. Less car lot price in New York was firm at $31.50, ex warehouse.

Blanc Fixe.—The market was reported very tight. One prominent producer was refusing long-term contracts and was quoting only on a day-to-day basis. The tightness was reported due to the heavy export call for the past several weeks. Last sales of the by-product material were reported at $50 per ton for car lots in bags.

Charcoal. — Hardwood material in fair demand with price firm.

China Clay.—Sales volume was a bit better last week and there was an increase in inquiries for the future. Price was firm.

Graphite. — Conditions unchanged with demand normal and price steady.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

FOR QUICK BODYING ACTION
with
DRYING OILS BESIDES CHINA WOOD
Use
PARANOL 1750
A pale, phenol-modified resin of very high melting point—
Of especial significance because of its ability to body other oils besides China wood oil—
Present market conditions necessitate the partial substitution of China wood oil by Linseed and Perilla oils, and the use of PARANOL 1750 is indicated because it tends to maintain the viscosity, quick-setting and hardness of film obtained in your original China wood oil varnishes.
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PARAMET CHEMICAL CORPORATION
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SOLIDS-LIQUIDS-GASES
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LIQUIDS-GASES-SOLIDS
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AIR	SULFUR DIOXIDE	ETHER
OXYGEN	METHYL CHLORIDE	ACETONE
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CARBON DIOXIDE	ESTERS	FORMIC ACID

Drierite is "The Versatile Dessicant" that may be the answer to your problem.
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W. A. HAMMOND DRIERITE COMPANY
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TECHNICAL LABORATORIES
H-D FLUSHED TUNGSTATED COLORS FOR THE INK TRADE
60-F-303 Pure Blue Toner
60-F-311 Pure Blue Toner, Extra Strong
60-F-500 Permanent Purple Toner
60-F-402 Permanent Green Toner Y
60-F-400 Permanent Green Toner P
60-F-401 Permanent Green Toner M
The Hilton-Davis Chemical Co.
P. O. BOX 8, PLEASANT RIDGE STATION, CINCINNATI, O.

Gypsum.—Shipments to consumers were slightly heavier during the past week and a bit more regularity was seen in the market. The price was firm and unchanged.

Mica.—A slight slackening in the demand failed to influence the price which continued firm and unchanged during the period under review.

Pumice.—Importers and grinders of foreign material in this country reported a slightly tighter market situation due to the uncertainty of imports and freightage. Quotations were firm.

Rottenstone. — Demand unchanged and price firm.

Talc.—French material nominal although supplies were a bit freer. Domestic grades in fair demand and firm in price.

Tripoli.—No changes since last reviewed. Demand at normal level for this time of year and price firm.

Whiting.—All grades were in slightly better demand during the week and prices continued to show firmness.

Woodflour.—The market situation for Norwegian material was tight and prices were purely nominal. Domestic product was in slightly better demand and price was unchanged.

Synthetic Resins

Ester Gum.—The spot market was quiet with shipments to the trade normal for this time of year. The price was unchanged at 6½c. to 6¾c. per pound for New York delivery.

Chlorinated Rubber.—Little of new interest was reported during the week. Both demand and shipments were at former levels and the price held firm.

Driers

Palmitates.—Contracting satisfactory with prices firm and unchanged at 24½c. to 27½c. per pound for zinc; 25½c. to 28½c. for magnesium; 22c. to 24c. for calcium and 20c. to 25½c. for aluminum.

Stearates.—Major suppliers reported that negotiating of contracts for first quarter delivery was a bit slower last week, although the total to date is normal and satisfactory. Prices were firm and unchanged at 23c. to 26c. per pound for zinc; 24c. to 27c. for magnesium; 20½c. to 22½c. for calcium, and 19c. to 24c. for aluminum.

Varnish Gums

Copals.—For the first time in several weeks quoted prices were unchanged last week. A firm market was reported in primary and domestic centers and shipments from abroad were steady.

Dammars.—Similar to copals, prices were unchanged during the period under review. Deliveries to the paint trade were at a slightly better level and all prices were very firm.

Naval Stores

Southern and local markets for rosin and turpentine were quieter last week. Business was suspended in primary centers on Friday in observance of the birthday of General Robert E. Lee, and transactions on other days of the week showed a falling off as compared with recent preceding periods. There was a steady movement into consuming channels on contracts, however, and in some quarters there was a disposition to regard the slowing down of new business last week as likely to prove of short duration as consumption in important industries seemed to be holding up well with a tendency noticeable in the direction of further expansion in some fields, espeeially in the case of rosin.

A firm tone continued to prevail despite the contraction of business. A further fractional advance occurred in turpentine and moderate advances were recorded in quotations on some grades of rosin. Scarcity continued to be reported of the dark grades of rosin and offerings of other grades were light. Receipts in primary markets were small, the arrivals being unusually light for this period of the year, with the indication pointing to a continuation of small receipts during the remainder of the current naval stores season.

Official statistics issued last week showed that exports of gum rosin during November were 42,308 barrels; wood, 31,127 barrels. Gum turpentine exports, 375,379 gallons; wood, 122,623 gallons. Pine oil, 117,803 gallons. Tar and pitch of wood, 1,823,705 pounds. Other gums and resins, 885,231 pounds.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

CCC Loan Holdings

The following table shows the stocks of rosin and turpentine held January 17 by the CCC under loans on the 1938 and 1939 crops:—

	Rosin		Turpentine.
	1938.	1939.	1939.
Savannah, bbls..	110,635	60,147	7,426
drums	.....	16,779	.....
Jack'ville, bbls..	179,921	118,851	25,838
drums	.....	20,957	.....
Brunswick, bbls.	95,035	87,598	23,100
drums	955	9,521	.....
Mobile, bbls.....	14,543	8,121	.....
drums	2,269	10,425	.....
Pensacola, bbls.	25,782	19,091	6,602
drums	.....	6,124	.....
Valdosta, bbls..	121,796	132,706	28,049
drums	.....	32,232	.....
Wiggins, bbls...	.....	282	.....
drums	.....	10,378	.....
Estill, bbls.....	.....	771	.....
drums	.....	8,477	.....
Helena, bbls....	.....	53,895	.....
drums	.....	56,015	23,988

French Crop Estimates Off

Estimates of the 1939 naval stores production in France are 15 to 20 percent smaller than 1938, according to a report from consular sources, the decrease being largely the result of the withdrawal of experienced workers during the latter part of the season. In some areas the final dip as well as the scrape crop were not collected. It is reported that exports of rosin are permitted only to the United Kingdom and the British and French colonies, while turpentine exportation is completely prohibited. The domestic demand for turpentine in France during November was almost entirely limited to the requirements of firms working directly or indirectly on national defense contracts. Consumption of paints and varnishes by private building trade has been greatly reduced. At present the French naval stores industry is under the direct control of the government.

Turpentine.—A firm tone prevailed in the local market last week in company with developments in the South where the price moved upward again despite a slowing down of business. Receipts showed a further contraction and daily offerings in southern markets were light.

SAVANNAH, Jan. 19.—Turpentine firm. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand.
Saturday* ...	..	...	...	...	.....
Monday	29	6	12	200	23,031
Tuesday	29	16	12	7	23,036
Wednesday...	29¼	5	25	12	23,049
Thursday	29¼	11	...	990	22,059
*Friday	..	...	...	...	.....

* No trading.

JACKSONVILLE, Jan. 19.—Turpentine quiet. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand.
Saturday* ...	..	...	...	...	.....
Monday	26	...	10	14	44,007
Tuesday	26	...	...	52	43,925
Wednesday...	26	...	...	35	43,890
Thursday ...	26	...	5	135	43,760
*Friday	..	...	...	...	.....

* No trading.

LET'S BE *practical* ABOUT

Hiding Power

Examine critically any hiding power figures that tell you Pigment "X" hides so many square feet per pound more than Pigment "Y". Don't you really want to know: "How much does it cost to cover 1000 square feet of surface using Pigment "X" or "Y" **in my paint formula?"**

Taking this practical view, you'll discover some surprising facts about hiding power. In tests on 95 **commercial** flat wall paints the cost of hiding 1000 square feet with a frequently used type of pigment varied from approximately 75 cents to $1.70, depending upon the vehicle, thinner or pigment non-volatile volume ratio with which it was employed.

Then consider these important facts: In these same tests on 95 commercial flat wall paints, the pigment cost of hiding 1000 square feet with lithopone ranged from approximately 65 cents to $1.50. The combination of high hiding per dollar and desirable paint-making properties makes **Albalith lithopone your best buy.**

For more of this story on hiding power, write for a copy of "A Practical Hiding Power Comparison".

THE NEW JERSEY ZINC COMPANY

160 Front Street • New York, N. Y.

New Jersey Zinc

PENSACOLA, Jan. 13.—Turpentine receipts lighter. Following is a record of the market for the week:—

	Barrels		
	Receipts.	Shipments.	Stocks.
Monday	98	...	17,986
Tuesday	16	128	17,874
Wednesday	5	...	17,879
Thursday	12	...	17,891
Friday	11	165	17,737
Saturday	2	...	17,739

Markets at Other Centers

Chicago, Jan. 19.—Turpentine quiet and firm. Five-drum lots, 34c. per gallon; five wood barrels, 39c.; single drums, 39c.; single barrels, 42c.

LONDON, Jan. 19.—Turpentine 57s. per 112 pounds. Stocks of American as follows:—

	Jan. 19.	Previous week.	Last year.
Barrels	15,300	15,636	28,467

Rosin.—The local market was a rather quiet affair last week. In some quarters a fair inquiry was noted, but purchases were generally limited to small lots, the movement of such quantities being lighter than in the previous week. The tone was firm in company with primary centers.

SAVANNAH, Jan. 19.—Rosin ruled firm. Following is a record of the market for the week:—

	Price per unit—low of range					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	*Fri.
B	...	$4.25	$4.25	$4.25	$4.50	...
D	...	4.52	4.50	4.50	4.75	...
E	...	5.00	5.00	5.05	5.05	...
F	...	5.10	5.10	5.15	5.15	...
G	...	5.25	5.25	5.30	5.35	...
H	...	5.35	5.35	5.40	5.40	...
I	...	5.45	5.45	5.45	5.45	...
K	...	5.50	5.50	5.50	5.50	...
M	...	5.55	5.55	5.55	5.55	...
N	...	5.55	5.55	5.55	5.55	...
WG	...	5.65	5.65	5.65	5.65	...
WW	...	6.20	6.20	6.20	6.20	...
X	...	6.20	6.20	6.20	6.20	...
	Barrels					
Sales	...	51	...	114	31	...
Receipts	...	493	336	167	103	...
Shipments	...	635	350	585	1,000	...
Stocks	...	...	...	...	210,113	...

* No trading.

JACKSONVILLE, Jan. 19.—Rosin was quiet. Following is a record of the market for the week:—

	Price per unit—low of range					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	*Fri.
B	...	$3.75	$3.75	$3.75	$3.75	...
D	...	4.00	4.00	4.00	4.00	...
E	...	4.75	4.75	4.75	4.75	...
F	...	4.90	4.90	4.90	4.90	...
G	...	5.10	5.10	5.10	5.10	...
H	...	5.15	5.15	5.15	5.15	...
I	...	5.20	5.20	5.20	5.20	...
K	...	5.35	5.35	5.35	5.35	...
M	...	5.37½	5.37½	5.37½	5.37½	...
N	...	5.45	5.45	5.45	5.45	...
WG	...	5.55	5.55	5.55	5.55	...
WW	...	6.30	6.30	6.30	6.30	...
X	...	6.30	6.30	6.30	6.30	...
	Barrels					
Sales	...	...	...	...	...	...
Receipts	...	58	100	10	106	...
Shipments	...	22	100	171	...	...
Stocks	...	...	...	...	316,037	...

* No trading.

PENSACOLA, Jan. 13.—Rosin quiet and steady. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	58	69	82	44	66	62
Shipments	117	98	300	...	100	208
Stocks	61,691	61,662	61,444	61,488	61,454	61,308

Markets at Other Centers

Chicago, Jan. 19.—Rosin quiet and firm. B grade, $7.25 per lot of 280 pounds; G grade, $8.25; M grade, $8.50; W.W. grade, $9.20.

LONDON, Jan. 19.—Rosin, fine, 28s. 6d. per cwt; W.W., 35s.

Pine Oil.—No broadening of trade, but fair demand for moderate lots from local and other consumers. Market steady.

Pitch.—Tone continued firm and quotations generally held at former levels. Somewhat better inquiry for moderate lots of spot material.

Rosin Oil.—Local spot quotations generally stationary, but tone of market apparently firmer. Purchasing limited to moderate lots.

Tar.—Fair movement on contracts and transient orders. Quotations maintained and tone of market firm.

Dry Colors

Bone Black.—Demand slightly better with price unchanged at 6½c. to 17½c. per pound.

Carbon Black.—Consumers were active in the market and contracting for first quarter delivery was brisk. The price was firm at 2.55c. per pound for uncompressed material and 2.41½c. for compressed, both f.o.b. plant.

Carmine No. 40.—Consuming interest was at a good level and the listed quotation was firm at $4.85 per pound for 500-pound lots in drums.

Chrome Green.—Sales satisfactory at 21c. to 30c. per pound for C.P. material delivered in New York.

Chrome Yellow.—Demand was at a better level, a possible reaction to the recent reduction. Quotations were firm at 14½c. per pound for spot and 13½c. for contract.

Eosin Toner.—Shipments to trade heavier. Price firm at $1.25 per pound.

Iron Blues.—Consuming interest was at a high level with price steady at 33c. per pound for contract and 34c. for spot.

Mercuric Oxides.—Despite the advance in metal prices, quotations for these derivatives were unchanged at $2.41 per pound for the technical red material and $2.26 for the yellow.

—*Continued on page* 39

SICO

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD
ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

No. 3
Collapsible
Tube Filler
(For Hand Operation)

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

ARTHUR COLTON CO.
2624 E. Jefferson Av., Detroit, Michigan

Shawnee
DRY COLORS
Color Content Guaranteed

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
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In Principal Cities
Distillers of
Coal Tar Products

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IMPERIAL REPRESENTATIVE
IS BACKED UP WITH
SERVICE-MINDED
LABORATORIES AND
MANUFACTURING DEPARTMENTS

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.
The largest mauufacturers of chemical pigment colors in America

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A product of exceptional purity available in drums and tank cars.

Selling Agents for
Shell Chemical Co.

R.W. GREEFF & CO.
10 East 40th Street New York, N. Y.

Current Market Quotations

—*Continued from page 25*

Xylol—Zinc Sulphide

Xylol, 5°, dms., returnable, works,	gal.	.42 -	—
tanks, E. of Omaha, frt. alld.	gal.	.40 -	—
3°, dms., returnable, works.	gal.	.47 -	—
tanks, E. of Omaha, frt. alld.	gal.	.45 -	—
Xylidin, mixed, dms.	lb.	.35 -	.36

Y

Yara yara, cryst., cns.	lb.	1.25 -	1.55
Yellow, cadmium, CP, import., bxs.	lb.	1.35 -	1.70
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.50 -	—
smaller lots, same basis.	lb.	.55 -	—
lithopone, all shades, kgs., ton lots, same basis.	lb.	.55 -	—
smaller lots, same basis,	lb.	.60 -	—
Sulphide, orange, bbls., works,	lb.	.75 -	—
Yellow, chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.13½-	—
open order.	lb.	.14½-	—

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast, for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

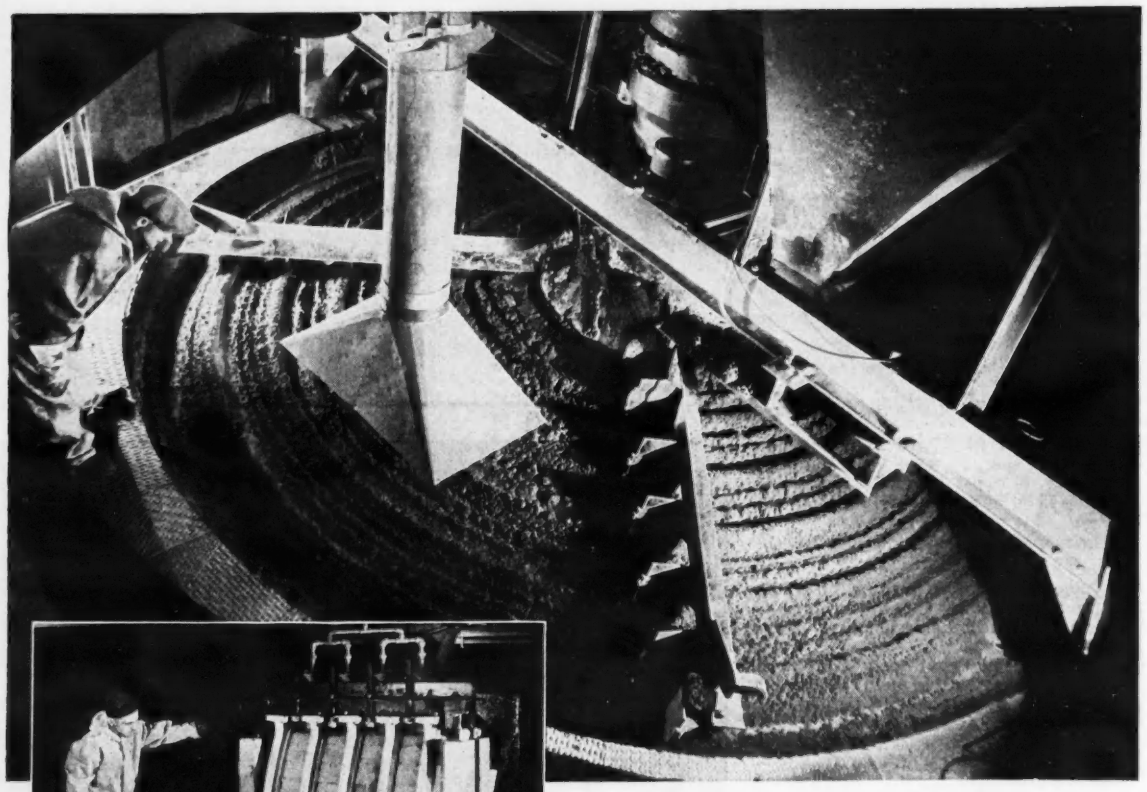
Dutch, pink, bbls.	lb.	.09 -	.11
Hansa, bbls., same basis, chrome.	lb.	1.37 -	—
primrose shade, bbls., same basis, chrome.	lb.	1.75 -	—
Mercury oxide (see M).			
Ocher, Amer., golden, A, bbls., works.	lb.	.06¼-	—
B, bbls., works.	lb.	.04¼-	—
C, bbls., works.	lb.	.05¾-	—
yellow, A, bbls., works.	lb.	.02¼-	—
B, bbls., works.	lb.	.02½-	—
C, bbls., works.	lb.	.02 -	—
D, bbls., works.	lb.	.0195-	—
E, bbls., works.	lb.	.01775-	—
F, bbls., works.	lb.	.01½-	—
yellow, G, bbls., works.	lb.	.01½-	—
H, bbls., works.	lb.	.01¾-	—
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import,	lb.	.02475 Nom.	
New York (f.o.b.).	lb.	.02⅝ Nom.	
Yellow, ocher, French, all shades, cks., c.l., ex dock, Philadelphia for import.	lb.	.02¾-Nom.	
ex dock, San Pedro, San Francisco.	lb.	.0290 Nom.	
l.c.l., ex dock, Balto, Boston, N. Orleans.	lb.	.02575 Nom.	
l.c.l., ex dock, Balto, Boston, N. Orleans.	lb.	.02575 Nom.	
New York.	lb.	.02⅝ Nom.	
ex dock, Phila., for import.	lb.	.02⅝ Nom.	
Portland, Seattle.	lb.	.03½ Nom.	
San Pedro, S. Francisco.	lb.	.03 Nom.	
ex whse., Balto., Boston, N. Orleans.	lb.	.02725 Nom.	
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis	lb.	.03⅝ Nom.	
New York.	lb.	.03 Nom.	
l.c.l., ex whse., Pittsburgh,	lb.	.03¼ Nom.	
Portland, Seattle.	lb.	.03⅝ Nom.	
San Pedro, S. Francisco.	lb.	.03¼ Nom.	
f.o.b. N. Y., from dock,	lb.	.02⅞ Nom.	
from whse.	lb.	.03⅛ Nom.	
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½-	—
l.c.l., same basis.	lb.	.04¾-	—
synth., bbls., c.l., works.	lb.	.06½-	—
l.c.l., same basis.	lb.	.06¾-	—
Persian orange (see O.).			
Zinc, bbls., same basis, chrome CP, contracts.	lb.	.18 -	—
open order.	lb.	.19 -	—
Yellow dock root, dom., bls.	lb.	.17 -	.18
Yellow root (xanthoriza), bls.	lb.	.11 -	.12
Yerba santa leaves, bls.	lb.	.09 -	.10
Yohimbine hydrocrloride, vls.	oz.	4.00 -	4.25

Z

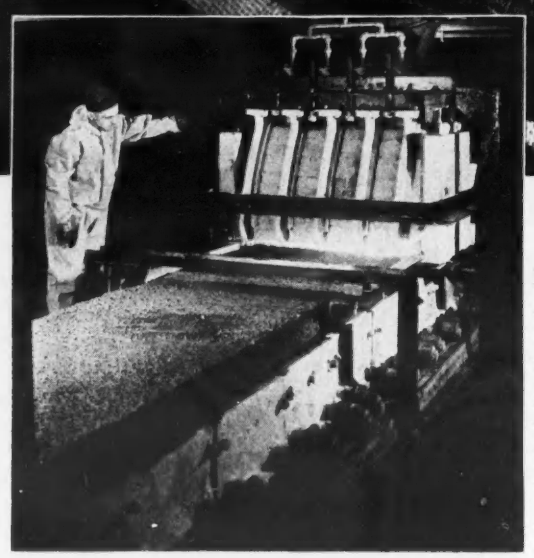
Zein, bgs., 1,000 lbs. or more, works.	lb.	.20 -	—
less than 1,000 lbs., works.	lb.	.25 -	—
Zinc acetate, tech., bbls., works,	lb.	.15 -	.16
USP, bbls., 250 lbs.	lb.	.27 -	—
kgs., 100 lbs.	lb.	.29 -	—
Arsenite, bgs., c.l., dealers, E. of Rockies.	lb.	.12 -	—
l.c.l., bags	lb.	.12½-	—
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.			
Carbonate, tech., bbls.	lb.	.14 -	.16
USP, precip., powd., bbls.	lb.	.31 -	—
dms.	lb.	.36 -	—
kgs.	lb.	.33 -	—
Chloride, tech., fused, dms., c.l., works.	100 lbs.	4.25 -	—
l.c.l., works.	100 lbs.	4.60 -	—
gran., dms., c.l., works,	100 lbs.	5.00 -	—
USP, 200-lb. dms.	lb.	.25 -	—
25-lb. jars.	lb.	.31 -	—
solution, 50%, dms., c.l. works.	lb.	.0290-	—
l.c.l., works.	lb.	.04 -	.04½
tanks, works.	lb.	.0225-	—
Cyanide, kgs., works.	lb.	.33 -	—
Dust, bbls., c.l., dlvd.	lb.	.07¾-	—
l.c.l., bbls., dlvd.	lb.	.08¼-	—
Iodide, N.F., bots.	lb.	4.35 -	—
jars	lb.	4.20 -	—
Fluoride, bbls.	lb.	.20 -	.25
Metal (see daily quotations in Market report).			
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼-	.07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	.07¾
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½-	.07¾
bbls., c.l., dlvd.	lb.	.06½-	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	.08
ex whse., Pac. cst.	lb.	.06¾-	.08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	—
ex whse., Pac. cst.	lb.	.06¾-	—
bbls., c.l., dlvd.	lb.	.06½-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	—
ex whse., Pac. cst.	lb.	.06¾-	—
35%, bgs., c.l., dlvd.,	lb.	.06 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¼-	—
ex whse., Pac. cst.	lb.	.06¼-	—
bbls., c.l., dlvd.	lb.	.06¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	—
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½-	—
50%, bgs., c.l., dlvd., except Pac. cst.	lb.	.0606-	—
dlvd., Pac. cst.	lb.	.0612-	—
l.c.l., dlvd., except Pac. cst.	lb.	.0631-	—
bgs., ex whse., Pac. cst.	lb.	.0637-	—
bbls., c.l., dlvd.	lb.	.0637-	—
l.c.l., ex whse., Pac. Cst.	lb.	.0662-	—
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06¼-	.07¼
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	.07¾
ex whse., Pac. cst.	lb.	.06½-	.07¾
bbls., c.l., dlvd.	lb.	.06½-	.07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾-	.08
ex whse., Pac. cst.	lb.	.06¾-	.08
green seal, bgs., c.l., dlvd.	lb.	.06 -	—
l.c.l., dlvd., except Pac. cst.	lb.	.06¼-	—
ex whse., Pac. cst.	lb.	.06¼-	—
bbls., c.l., dlvd.	lb.	.06¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.06½-	—
red seal, bgs., c.l., dlvd.	lb.	.07¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.07¾-	—
ex whse., Pac. cst.	lb.	.07¾-	—
bbls., c.l., dlvd.	lb.	.07¾-	—
bbls., l.c.l., dlvd., except Pac. cst.	lb.	.08 -	—
ex whse., Pac. cst.	lb.	.08 -	—
white seal, bgs., c.l., dlvd.	lb.	.08¼-	—
l.c.l., dlvd., except Pac. cst.	lb.	.08¾-	—
ex whse., Pac. cst.	lb.	.08¾-	—
French process, white seal, l.c.l., ex whse., bbls., c.l.	lb.	.08¾-	—
l.c.l., dlvd., except Pac. cst.	lb.	.09 -	—
ex whse., Pac. cst.	lb.	.09 -	—
imported, gold seal, cks., ex whse.	lb.	.13 -	.14
green seal, bbls., ex whse.,	lb.	.10 -	—
white seal, cks., ex whse.,	lb.	.11 -	.12½
USP, bbls., c.l.	lb.	.09½-	—
Palmitate, bbls.	lb.	.24½-	.27½
Resinate, fused, pale, bbls.	lb.	.10 -	—
precip., dms., dlvd.	lb.	.15 -	—
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.23 -	—
l.c.l., 1 ton.	lb.	.24 -	—
1,000-2,000 lbs.	lb.	.25 -	—
less than 1,000 lbs.	lb.	.26 -	—
USP, bbls.	lb.	.24 -	.26
Sulphate, cryst., bgs., c.l.,	100 lbs.	2.75 -	—
l.c.l.	100 lbs.	3.50 -	—
bbls., c.l.	100 lbs.	2.90 -	—
l.c.l.	100 lbs.	3.65 -	—
flake, bgs., c.l.	100 lbs.	3.10 -	—
l.c.l.	100 lbs.	3.85 -	—
bbls., c.l.	100 lbs.	3.25 -	—
l.c.l.	100 lbs.	4.00 -	—
powd., bgs., c.l.	100 lbs.	4.35 -	—
l.c.l.	100 lbs.	5.10 -	—
bbls., c.l.	100 lbs.	4.50 -	—
l.c.l.	100 lbs.	5.25 -	—
Sulphide, bgs., c.l., (20 tons), dlvd.	lb.	.07½-	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾-	—
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾-	—
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08 -	—
barium, pigment, bgs., c.l., dlvd.	lb.	.05 -	—
l.c.l., dlvd. E. or ex whse, Pac. Cst.	lb.	.05¼-	—
calcium pigment, bgs., c.l., dlvd.	lb.	.05 -	—
l.c.l., dlvd. E. or ex whse, Pac. Cst.	lb.	.05¼-	—

FROM ORE TO OXIDE

The Story of St. Joe Zinc Oxide — Number 6 of a Series



CHARGING HEARTH OF ROASTERS



SINTERING MACHINE

ROASTING and SINTERING. Zinc concentrates from the New York State mines of the St. Joseph Lead Company arrive at the company's smelter at Josephtown, Pa., containing about 58% zinc and 32% sulphur. The first operation is a roasting process to reduce the sulphur. This is accomplished on three 21-foot diameter Nichols-Herreshoff furnaces. These furnaces have 12 hearths and the concentrates are heated and dropped from hearth to hearth by mechanical rabbles. The resultant calcine contains 67 to 68% zinc and about 1% sulphur. The sulphur dioxide gas passes on to the contact acid plant. The second operation is the sintering of the calcine. This is done on 42" x 44' Dwight-Lloyd gas fired sintering machines. This operation agglomerates the zinc ore and eliminates lead and cadmium. The sinter, which has a hard open lacelike structure, contains about 59% zinc. After screening, this material is conveyed to the furnace bins where it awaits treatment by the electro-thermic furnaces, for conversion into St. Joe zinc oxides.

ST. JOSEPH LEAD COMPANY

250 PARK AVENUE
NEW YORK

•

ELDORADO 5-3200

PLANT AND LABORATORY, JOSEPHTOWN, BEAVER COUNTY, PENNSYLVANIA

Zinc Sulphide—Zirconium

Zinc, sulphide, magnesium, pigment,, bgs., c.l., dlvd..lb.	.05¼-	—
l.c.l., dlvd. E. or ex whse. Pac. Cst..lb.	.05½-	—
Sulphocarbolate, NF, bbls....lb.	.24 -	.28
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.15 -	—
l.c.l., works.....100 lbs.	5.50 -	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb	.05 -	—
l.c.l., dlvd., except Pac. cst..lb.	.05¼-	—
ex whse., Pac. cst...lb.	.05½-	—
Zirconium nitrate, kgs., works.lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.	75.00 -	100.00
white, 98%, rgd., kgs., works, lb.	1.80 -	2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Jan. 1 issue; the next printing will be in the Feb. 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 35.

Paint Materials

Dry Colors

—Continued from page 37

Ocher.—American yellow material firm at 1⅜c. to 6¼c. per pound with demand unchanged. The French product was nominal at 2⅝c. per pound for all shades, f.o.b. New York.

Para Toner.—A slight pick-up in activity was reported. The price was steady and unchanged at 70c. per pound for contract and 75c. for spot.

Potash, Blue.—Shipments were heavier at the unchanged price of 42c. per pound for both contract and spot delivery.

Sienna.—American raw, 2⅞c. per pound and burnt, 3¼c. both f.o.b. works. Italian, raw, 5½c. to 12¾c. per pound and burnt, 5¾c. to 12½c.

Ultramarine Blue.—The price was well maintained at 16c. to 27c. per pound for the regular grade. Demand was normal.

Umber.—American quoted at 3⅛c. per pound and Turkey at 4½c., f.o.b. New York.

Vandyke Brown.—Importers continued to fail to post prices with shipments from Germany uncertain.

Venetian Red.—The market was slightly more active, with the price firm at 2.20c. to 3.60c. per pound, f.o.b. works.

Vermilion.—Listed price was still very firm at $2.46 to $2.55 per pound.

Walnut Crystals. — Demand was slightly better at the unchanged price of 6½c. per pound.

Shellac

Cables from Calcutta came in fractionally lower last week. The more favorable quotations failed to find substantial interest among local importers. The heavy arrivals toward the end of 1939 apparently relieved their pressing necessities and they have not as yet returned to the market in a major way. Demand from manufacturing consumers was conservative most of the time. Deliveries against contracts were being taken out fairly promptly. Pricewise, the market was substantially steady. According to the Department of Commerce, imports of unbleached material into the United States during eleven months of 1939, with comparative figures for 1938, were as follows:—

	Pounds	
	1938.	1939.
January-August	8,632,617	17,000,452
September	507,504	2,767,154
October	1,099,798	2,617,112
November	1,230,070	2,704,516
11 months, totals	11,469,989	25,089,234

Lacquer Materials

A reduction in cellulose acetate and triacetate prices provided the market for lacquer materials and solvents with the outstanding development last week. Effective immediately a new schedule of prices was released for the various grades showing a reduction of 1c. per pound in all quantity classifications, compared with the schedule in effect previously. There were no other significant price developments, and the tone of the market was firm. Demand gave no indications of broadening, but shipments held at satisfactory levels. Export inquiries for several materials remained active. Acetone stood out as the leader in this respect, with sellers cautious in accepting all business in view of the heavy demand in domestic channels. Butyl acetate and alcohol were also sought in foreign countries.

Acetone.—Volume displayed some leveling off, but shipments were steady against contracts. Export inquiry was active. Prices firm. November exports 2,069,190 pounds, valued $158,939, of which 1,204,984 pounds went to Japan; 462,350 pounds to Belgium and 111,700 pounds to the Netherlands.

Amyl Acetate.—Market retained its strong position, and prices were unchanged and firm. Shipments were moderately active. November exports totaled 37,489 pounds, valued at $4,290.

Butyl Acetate.—New business was tapering off, however, sufficient bookings were on hand to keep the market position firm. November exports aggregated 382,018 pounds, valued at $31,637, of which 114,832 pounds went to Australia; 78,383 pounds to Brazil and 35,758 pounds to Canada.

Butyl Alcohol.—Withdrawals against contracts moderately active. Prices were well maintained. November exports were 572,529 pounds, valued at $44,786, of which 117,302 pounds went to Canada; 171,000 pounds to Japan and 93,740 pounds to Australia.

Cellulose Acetate.—Prices for the acetate and triacetate were lowered 1c. per pound, making 5,000 pounds or more 34c. per pound; 100 to 4,950 pounds 35c. per pound and less than 100 pounds 36c. per pound. Quotations are f.o.b. works, freight allowed.

Dibutyl Phthalate. — Buying was fairly steady in this direction, but gave no indication of expanding. Pricewise a firm tone predominated.

Ethylene Dichloride.—A firm price tone characterized the dealings. Spot and contract shipments moved satisfactory to various consuming channels.

Isopropyl Acetate.—No new developments entered the market, and prices were well sustained. Demand was steady and moderate.

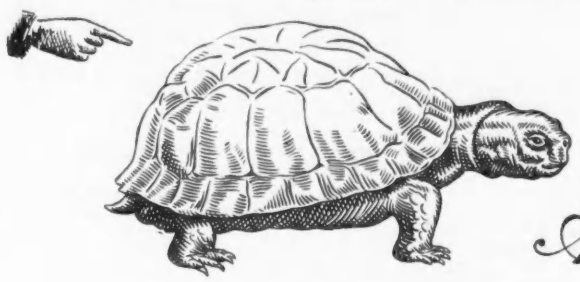
Tricresyl Phosphate.—Sellers were gradually catching up with heavy backlog, and shipments were active New business was somewhat slower. Prices remain the same, and the tone of the market held firm.

Bronze Powders

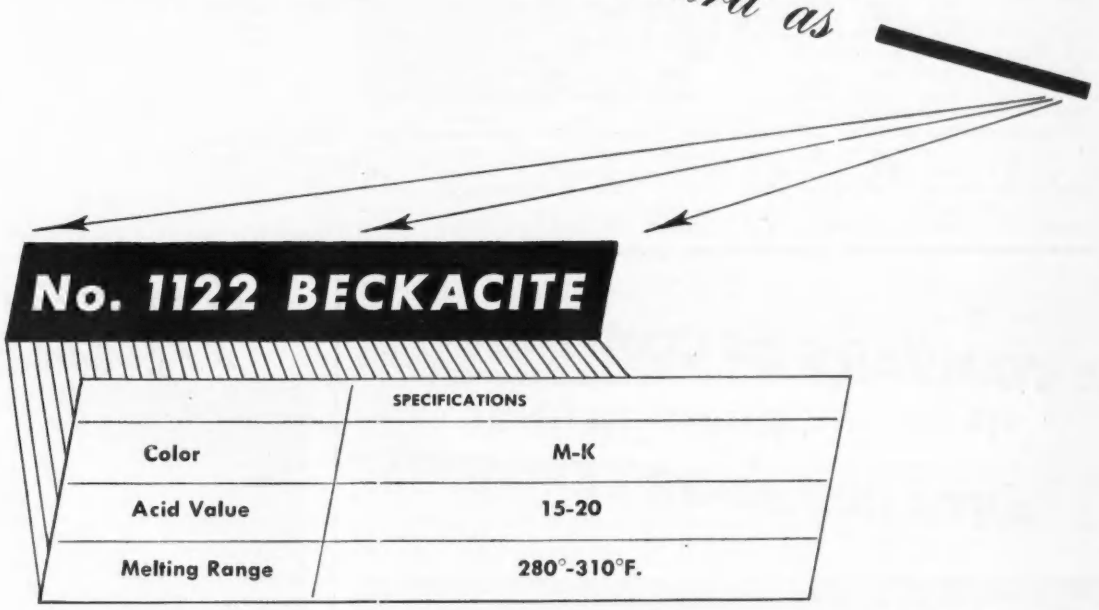
Aluminum Paste.—Lining paste was firm at 63c. per pound for 1,500-pound lots in drums. Standard paste was quoted at 40c., while ink material was at 73c.

Aluminum Powder.—Standard lining powder was firm at 57c. per pound with demand slightly better. Standard varnish powder was at 40c. per pound.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7



As Hard as



No. 1122 BECKACITE

	SPECIFICATIONS
Color	M-K
Acid Value	15-20
Melting Range	280°-310°F.

Three basic properties that make No. 1122 an outstanding favorite with formulators are hardness, fast drying and viscosity.

A melting range of from 280°-310° (capillary tube method) assures users of No. 1122 a greater hardness and resistance to surface abrasions while a quicker solvent release shortens both the tack-free and dust-free drying time.

The third superiority of No. 1122 Beckacite makes it possible to reduce raw material costs without impairing quality. The higher viscosity allows greater amounts of thinners to be incorporated.

No. 1122 is another example of Reichhold's manufacturing policy—a resin that will make a satisfactory product and profit for formulators. Your inquiries concerning No. 1122 Beckacite or any of Reichhold's complete line of synthetic resins are welcomed.

REICHHOLD CHEMICALS
INCORPORATED • DETROIT, MICHIGAN

Glues and Binders

Casein. — Domestic material was lowered ½c. per pound and Argentine material was reduced 1c. Domestic 20-30 mesh was quoted at 14c. per pound for car lots; 15½c. for five tons or more and 20c. for smaller lots. The 80-100 mesh product was offered at 14½c. per pound for car lots; 16c. for five tons or more and 20½c. for smaller lots. All quotations are f.o.b. works. Argentine material was offered at 13c. for car lots of the 20-30 mesh material and 13½c. for the 80-100 mesh, both duty paid.

Glues. — Bone glues held their strength at 13½c. to 15½c. per pound, while hide glues were very firm at 15c. to 24c. Shipments have been very good this year to date and last week there were no signs of a let-up in the heavy demand.

Glazing Practices Stopped by F.T.C.

—*Continued from page 5*

Indianapolis, and Courtney E. Hammond, its secretary; Glaziers' Local Union No. 1165, of the Brotherhood of Painters, Decorators and Paper Hangers of America, Indianapolis, and Joseph Schubert, its business agent.

These respondents, in the interstate sale of plate, window, safety or structural glass, or in connection with the installation of such glass in buildings, having stipulated as to the facts affecting them, were directed to cease and desist from entering into, effectuating, approving or recognizing any agreement, contract or understanding which contains certain specific requirements as a prerequisite to the right or privilege of any glass distributor or glazing contractor to employ glaziers for the installation of such glass products. Such specific requirements, as prohibited under the commission's order, were that any glass distributor or glazing contractor, in order to employ glaziers, must have or maintain, in connection with the operation of his business (1) a stock of any specified quantity of flat glass products; (2) trucking or warehousing equipment to service the building or replacement trade, and (3) continuous employment of any specific number of men.

The commission found that during the period the contract was in effect the aforementioned specified requirements had the capacity and effect of (1) preventing glazing contractors and glass distributors, both in Indiana and other States, from bidding on or obtaining glazing contracts and selling glass in the trade area in which the respondent glass distributors conducted a similar business; (2) unreasonably lessening and suppressing competition in the sale of glass and in the procurement of glazing contracts by distributors and glazing contractors in that area; (3) unduly restricting glazing contractors, both in Indiana and other States, desiring to obtain glazing contracts in that area but who did not enter into the contract of May 6, 1938, because of not being qualified at that time to do so under its provisions; (4) unduly interfering with the natural flow in commerce of glass from other States into Indiana, and (5) unduly restraining the sale of glass in interstate commerce—all in violation of the Federal Trade Commission act.

Zinc Ore Freight Rate Ruled Prejudicial by I.C.C.

OPD Washington Bureau
January 18, 1940

A freight rate of $10.45 per net ton on zinc ore and concentrates, carload minimum 60,000 pounds, from Metaline Falls, Wash., to Blackwell, Okla., is unduly prejudicial to the extent that it exceeds the rate of $9.35 on like traffic from the same origin to Amarillo and Machovec, Texas, the Interstate Commerce Commission has decided in prescribing adoption of the lower rate not later than April 11, 1940.

The complainant, the Blackwell Zinc Company, had alleged that the higher rate was unreasonable and unduly prejudicial. The commission failed to find the rate unreasonable, but decided that it is prejudicial because it appears that "shipments are prevented by reason of the rate relation."

Tung Oil Projects Hampered by Frosts

—*Continued from page 3*

trees now under study is the result of some physiological condition, in which case the experiment will not prove successful, but officials are quite optimistic that a satisfactory strain can be developed.

Hybridizing Tried

Experiments are also being made in hand pollination and crossbreeding, but this is a much longer process than budding, and is subject to many hazards. The most promising work in this line is an attempt to hybridize the hardy Fordi variety now grown in the Gulf States with the Montana variety which comes from the South of China and is a very tender stock unable to withstand the climate of this country except in southern Florida, but which has the property of blossoming after the tree has attained its annual growth, whereas the Fordi variety blossoms before growth starts. The object is to produce a tree which will blossom later than the Fordi but earlier than the Montana and yet will have the other desirable characteristics of the Fordi and will be suitable for growth in the Gulf States and will produce a high yield of oil. This line of experiment is felt to hold considerable promise, but it will take many years before results can be ascertained.

Suggestions have been made that the tung tree might be grown in Northern States where there is less apt to be a warm spell early in the Spring before the danger of frost is past, but studies by the Bureau of Plant Industry indicate that the tung tree is somewhat similar to the pecan in that it fails to make proper growth and set fruit in northern latitudes and high altitudes, even though it will come through a severe Winter without injury. The tree appears to need some 250 days of growing weather a year in which both the day and night temperatures are relatively high, and for this reason the yield is not satisfactory in the Appalachian region where the higher altitude causes a considerable difference between day and night temperatures.

This opinion is subject to change in the light of further knowledge, but at present the officials of the Bureau of Plant Industry feel that the most promise lies in developing a late-blooming strain of the Fordi variety to be grown in substantially the same regions where the tree is now under cultivation. If the budding experiments are successful, buds from the late-blooming trees could be grafted on the rootstock of trees already planted so that it would take only a few years to convert existing orchards into the new strain if and when it proves successful.

States Are Concerned

The tung oil industry which has been regarded as the key to a golden future for the South has run into difficulties with nature, said Governor Hugh White of Mississippi in an interview recently. Warm Januarys and Februarys followed by freezing Marches were the particular trouble, as he saw it.

Governor White compared tung trees of the present strain with fruit trees in respect of the tenderness of their buds, and he said:—

> Before we can say with any certainty whether tung orchards are going to produce any part of the wealth that originally was expected of them it will take at least several more years of expert study and experimenting to determine whether a hardier tree can be developed to survive cold spells that are nipping so much of the current crop.

Mississippi is heavily involved in the South's tung investment, the governor explained, having 90,000 acres of the nation's total of 175,000 acres planted to this crop.

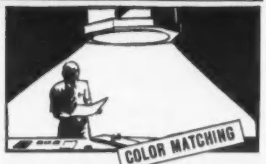
Toronto Production Club Hears Hugh Campbell

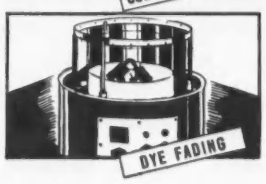
The Toronto Paint and Varnish Production Club held its December meeting in the King Edward hotel, with 64 members and guests present.

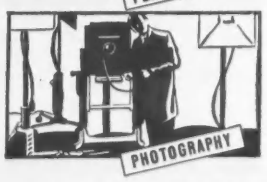
The speaker of the evening was Hugh Campbell. He talked on "The Tradition of the British Navy."

A STANDARD OF COMPARISON
FOR PROTECTIVE COATINGS—COMPARABLE
WITH OUTDOOR EXPOSURE

THE NATIONAL ACCELERATED WEATHERING UNIT
TRADE MARK
WIDELY USED FOR PROMPT AND DEPENDABLE INDICATION OF OUTDOOR WEATHERING EFFECTS







● This unit gives results in a few days that are comparable with the weathering effects of prolonged outdoor exposure. It combines the weathering action of
WATER · AIR · LIGHT
THERMAL SHOCK
The sunshine type of carbon arc is used as the source of radiation in this unit because *it essentially duplicates the effects of natural sunlight.*

This fact has been demonstrated in
● LIGHT THERAPY
● PLANT GROWTH
● PHOTOGRAPHY
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● DYE FADING

Write for full information on this unit.

NATIONAL CARBON COMPANY, INC. Carbon Sales Division, Cleveland, Ohio
Unit of Union Carbide UCC and Carbon Corporation
GENERAL OFFICES: 30 EAST 42nd STREET, NEW YORK, N. Y.
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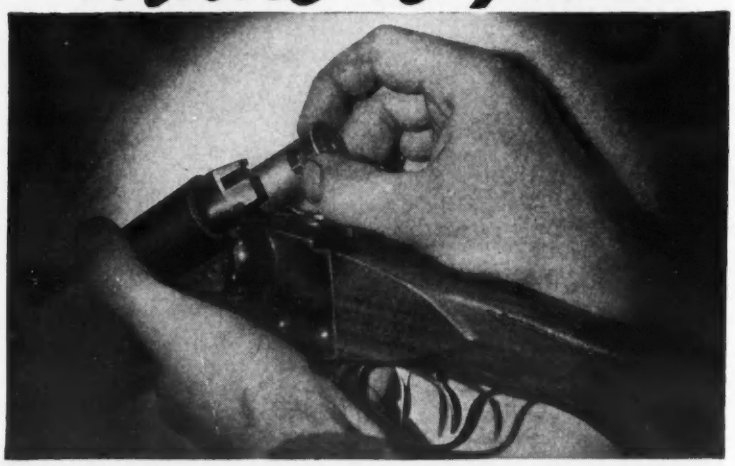
Made to Fit—



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PALMITATES
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of ALUMINUM, CALCIUM, LEAD, ZINC

HARRISON, N. J. BOSTON SAN FRANCISCO CHICAGO CEDARTOWN, GA.

Oils, Fats, and Waxes

Tallow Lower Under Somewhat Freer Offerings — Moderate Changes in Refined Cottonseed Oil Futures—Perilla Oil in Light Supply and Firmer—Animal Oils Reduced

Business in all branches of the market for miscellaneous oils, fats and greases continued rather slow last week. Certain technical products met with a somewhat better request, but purchases in practically all instances were limited to comparatively small quantities to fill the current needs of consumers and dealers. Price movements were generally narrow, reductions outnumbering advances. An upward trend in lard futures at times was apparently due mainly to technical speculative conditions, as marketing of hogs in the West continued heavy despite severe Winter weather.

In a survey of the oils and fats situation issued by the Bureau of Agricultural Economics at Washington last week it was stated that difficulty in finding sufficient profitable export markets for the large domestic surplus of lard and soybean oil was one of the principal causes for the general weakness in prices of domestic food and soap fats and oils during the past year. Approximately 8,400 million pounds of fats and oils were produced from domestic materials in the United States in 1939. Such production was about 400 million pounds larger than in 1938, and was the largest on record.

A bill (H.R. 7696) to include soybeans in the United States grain standards act in order to permit their grading and classification by Federal inspectors has been introduced in Congress by Representative Everett Dirksen of Illinois.

Price Changes

Advanced

Beeswax, crude, yellow, Arican, 1c. per lb.
Lard, 10c. to 15c. per 100 lbs.
Palm oil fatty acid, ½c. per lb.
Perilla oil, ½c. per lb.

Reduced

Bayberry wax, 3c. per lb.
Candelilla wax, ½c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Japan wax, ½c. per lb.
Lard oil, ¼c. to ½c. per lb.
Linseed oil, 3/10c. per lb.
Neatsfoot oil, ½c. per lb.
Oleo oil, ⅛c. per lb.
Olive oil, denatured, 2c. per gal.
Spermacetti wax, 1c. per lb.
Tallow, ⅛c. per lb.
Tallow oil, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
106.6	106.9	106.8	101.0

Market news that may have developed after this report was sent to press will be found on page 4.

Chinawood Oil

Conditions prevailing in the local market for chinawood oil underwent little change last week. Oil in tankcars was said to be practically unobtainable on spot. The minimum base price, however, continued to be held at 26c. per pound. Oil in cooperage and drums was also in light supply with quotations largely nominal at from 27½c. to 28c. per pound, although business was reported to have been closed in a limited way within the range. Shipment offerings continued light at prices ranging around recent levels. Consumers did not manifest much interest in futures here, although advices from the Coast reported that considerable business had been closed there during the week for March-April shipment. Importations from China during the eleven months ended with November last were officially stated as 57,951,000 pounds against 92,304,000 pounds in the same time in the previous year; from Hongkong 8,170,000 pounds against 7,401,000 pounds. Importations here last week were 13 drums from Singapore.

Markets in China

The market for tung oil at Hankow, China, was quiet during December and no exports of oil were made by foreign firms, according to a radiogram January 19 from the American consulate general at Hankow to the Department of Commerce.

Arrivals of tung oil at Hankow from upcountry amounted to 42 short tons, while purchases in the month totaled 104 short tons, all of which were made by Japanese firms. No shipments of oil, however, were made during the month by the Japanese.

Quotations on tung oil at Hankow opened December 1 at 128 Chinese dollars per picul of 133⅓ pounds and closed at 127 Chinese dollars per picul the end of December. On December 31 it was reported locally that known stocks on hand at Hankow were 4,522 short tons.

In Hong Kong at the end of December tung oil was quoted at 125 Hong Kong dollars or $31.60 per picul in bulk, according to a radiogram by the American consulate general there. The radiogram also said that on account of limited stocks of oil on hand and difficult transportation from the interior to Hong Kong, dealers expected prices to remain steady. Total exports of tung oil from Hong Kong in November were 2,547,229 pounds, of which 685,695 pounds went to the United States and 1,861,534 pounds to Europe. The European buyers were Soviet Russia, Sweden, Italy, United Kingdom, Denmark, Norway, Netherlands, and Switzerland.

SAN FRANCISCO, Jan. 17.—A larger volume of offerings of chinawood oil from the Orient was noted. Sales were reported on the basis of 25¾c. per pound in tankcars, f.o.b. Pacific Coast ports. Some manufacturers are covering through March-April.

Vegetable Oils

Castor. — Dehydrated material strong. Prices on oil in tanks, and in drums, car lots, nominal. Deliveries in such quantities almost impossible. Market:—Tanks, 17.5c. per pound, nominal; drums, car lots, 18.1c., nominal; less car lots, 18.5c., the active trading figure.

Coconut.—Prompt shipment crude oil was steady in the local market in the absence of any material change in the Far Eastern situation, 3½c. per pound being quoted for tankcars. Forward positions were quoted at 3⅜c. per pound, tankcars. Few inquiries were received. Refined oil quiet and unchanged.

Corn.—Crude oil was slightly easier in company with competing product. Quotations were shaded ⅛c., but offerings continued to be reported as light.

Cottonseed.—Quotations on edible oil were maintained at previous levels by refiners. A fairly active request was noted for moderate quantities. Offerings of Brazilian semi-refined oil were noted at 4c. per pound, c.i.f.

Oiticica.—Competing product remained firm and quotations on oiticica oil were maintained. The figures were generally nominal, however, spot oil

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

For Every Specification
Processed
Refined
Blown
Cooked
Sulphonated
VEGETABLE and FISH OILS
Perilla Oil
Soya Bean Oil
Sardine Oil
Liquid Oiticica Oil
Let us quote you Spot or Contract
CROWN
OIL PRODUCTS CORP.
214 49th AVENUE
LONG ISLAND CITY, N. Y.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (distilled)
STAR BRAND (saponified)
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

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WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE

THE H. L. ALBERS COMPANY
EDIBLE TALLOW OLEO STEARINE OLEO OIL
SOYA BEAN OIL COTTON SEED OIL
NEUTRAL LARD REFINED LARD PRIME STEAM LARD
In Drums, Tierces, Tank Cars
Pratt and Poppleton Streets Inquiries Invited Baltimore, Maryland

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
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Sales Offices: 122 East 42nd Street New York
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America's largest producers of
STEARIC AND OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS · GLYCERINE · PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline)

WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

being scarce and shipment offerings light.

Perilla.—Spot oil was still in upward trend owing to a further shrinkage in supplies. Quotations were advanced ½c. to 1c. by some sellers. There was a fairly active request. Importations from Japan during 11 months ended with November last were 18,942,000 pounds against 14,022,000 pounds in the corresponding period in the previous year; from Kwantung 27,709,000 pounds against 13,389,000 pounds.

Soybean.—Quotations were generally maintained by crushers at former levels. Business was quiet and reports were current of offerings from resellers at concessions of ¼c. to ⅜c. per pound. Importations from Kwantung during 11 months ended with November last were 674,000 pounds against 2,747,000 in the previous year.

Markets at Other Centers

San Francisco, Jan. 17.—Volume of buying orders for vegetable oils increased. Prices were turning slightly easier on the whole.

COCONUT.—Sales at 3c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with buyers' ideas today 2⅞c. Copra more active. A wide range of prices were indicated by sellers at source, the average of which appears to be on the basis of 1.875c. per pound, c.i.f. Pacific Coast ports today.

OITICICA.—Raw, liquid oil quoted 19c. to 20c. per pound in drums, f.o.b. Pacific Coast ports for forward shipment out of Brazil. Spot stocks cleaned out.

PERILLA.—Very strong. Orient not offering, but indications are that April shipment from Pacific Coast might be effected. No prices given on forward shipments. Resale oil was reported on spot at 17¼c. in tankcars; 17½c. now asked.

RAPESEED.—Sales at 8½c. per pound in tankcars, f.o.b. Pacific Coast ports; now 9c.

TEASEED.—New crop teaseed oil, moderate acid, reported sold at 13c. per pound in drums, f.o.b. Pacific Coast ports.

Chicago, Jan. 19.—Values in the general vegetable oil market are fairly well sustained, on a moderately good volume of trade.

COCONUT.—Crude basis, 3c. to 3⅛c. per pound. Refined, edible oil, 9c. to 9¼c. per pound, drums, car lots; and 9½c. to 9¾c., drums, less than car lots.

CORN.—Crude, low acid, 6c. to 6¼c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.

SOYBEAN.—Crude, 5⅛c. to 5¼c. per pound, January-forward.

The market for soybeans on the Chicago Board of Trade was quieter with the price trend mainly downward. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Jan. 19.	Closing Jan. 12.
Cash	$1.16	$1.11¾	$1.12¼	$1.16¾
May	1.18	1.10¼	1.12¼	1.16¾
July	1.15¾	1.07¼	1.09¼	1.14¾

Linseed Oil

Changes in flaxseed quotations in domestic and foreign markets generally moderate. Linseed oil easier. Cake and meal steady.

Flaxseed—DULUTH, Jan. 19.—Flaxseed futures quiet but pressure was light in view of meagre marketings and the expected reactionary trends in Buenos Aires following the collapse of planned trade treaties. Commercial demands were good and small country offerings added to the strength, which was furthered by the seasonal demand for seed purposes.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.14½	$2.05	$2.03
Monday	2.16	2.08	2.04
Tuesday	2.15¼	2.08	2.04
Wednesday	2.16½	2.08	2.04
Thursday	2.17½	2.08½	2.05
Friday	2.15½	2.07	2.09

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	6,275	206	7,299	.....
Since Aug. 1.	3,984,363	1,625,318	3,965,005	1,421,107

MINNEAPOLIS, Jan. 19.—Cash flax offers are very limited and in avid demand at firm to strong premiums. Crushers are picking up all of the seed they can and seedhouse buyers are on the constant lookout for supplies of suitable quality. Last week shipments from Minneapolis were 13,000 bushels under receipts but during the first three days of the present week the out movement has exceeded the in movement by 12,000 bushels. Local elevator stocks are decreasing freely, showing a loss of 40,000 bushels in three days this week as compared with a loss of 5,000 bushels in the same period a year ago. Crusher buyers are stepping aside in the cash market to permit seedhouse buyers their pick of quality to further cultivation of flax through northwestern and central states.

Present indications are that the acreage will exceed anticipation to date. Iowa is showing much greater interest in the proposition, partly because of the government trimming of corn acreage. With a heavy corn surplus piled up farmers are much interested in veering to other grains or flax. Seedhouse sales continue liberal. Southern Minnesota farmers have a fair supply in reserve but the Iowa farmers have virtually none available in home territory. South Dakota and North Dakota are more interested and no doubt will sow their flax fields earlier this coming spring and take a chance on late frost.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.17½	$2.05½	$2.02
Monday	2.19	2.07	2.03½
Tuesday	2.18¼	2.06¾	2.03
Wednesday	2.19½	2.07½	2.04
Thursday	2.20½	2.08½	2.05
Friday	2.19½	2.06½	2.04

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	28,000	22,800	42,000	14,400
Since Sept. 1.	3,709,000	1,455,140	1,615,200	445,300

WINNIPEG, Jan. 19.—Trading in flaxseed futures was quieter. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.92¾	$1.96	$1.93
Monday	1.96	1.99¼	1.97¼
Tuesday	1.95½	1.98¾	1.96¾
Wednesday	1.96	1.99¼	1.97
Thursday	1.95¾	1.99	1.97
Friday	1.95	1.99	1.96

BUENOS AIRES, Jan. 19.—Opening prices per bushel on Feb. contracts were:—

	Last week.	Last year.
Saturday	$1.25⅛	$1.07
Monday	1.24⅛	1.07
Tuesday	1.23⅛	1.06¼
Wednesday	1.26⅛	1.06⅝
Thursday	1.27⅜	1.06⅛
Friday	1.27¾	1.06⅛

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OILS REFINED, PROCESSED
FOR THE PAINT, VARNISH
AND LINOLEUM INDUSTRIES
DORSCO
PRODUCTS
OILS TRUE TO SPECIFICATION—36 Types of "standard," California High Iodine Number sardine oils regularly refined and processed. Other oils prepared to your order—and guaranteed true to your specifications.
DORWARD & SONS CO.
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"Where the Sardine Boats Dock"

"Before You Buy-Ask WECOLINE"

VEGETABLE FATTY ACIDS

Distilled white vegetable oil fatty acids. Quality and color unsurpassed.

COCONUT	TEASEED	PALM
LINSEED	SOY BEAN	CORN
WHITE OLEIC	COTTON SEED	LAURIC

Produced under rigid factory control from high grade materials.

Specifications and samples gladly furnished.

"Wecoline's Fatty Acids are unusually pure and brilliant"

WECOLINE Products, Inc. BOONTON, N.J.
Sales Offices NEW YORK.....CHICAGO.....BOSTON

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States....	941,000	327,000	484,000
United Kingdom	173,000	606,000	110,000
Continent	681,000	512,000	476,000
Orders	.....	.....	291,000
Others	.....	4,000	220,000
Totals	1,795,000	1,449,000	1,581,000

Since January 1

To—	Bushels This year.	Last year.
United States.....	1,504,000	2,314,000
United Kingdom.....	909,000	185,000
Continent	1,752,000	1,976,000
Orders	.....	1,334,000
Others	4,000	240,000
Totals	4,259,000	6,049,000

Visible Supply

	Bushels.
Last week.....	2,953,000
Previous week.....	2,362,000
Last year.....	4,724,000

HULL, Jan. 19.—La Plata flaxseed quoted at £15⅝ per long ton; Bombay, £22⅞.

Linseed Oil.—In the absence of any improvement in trade the market here for linseed oil had an easier tone, selling schedules being lowered three points by some crushers. Tankcars were generally quoted at 10.2c. per pound, but it was intimated in some cases that this figure could be shaded by about two points. Such inquiries as were received were limited to small lots for prompt shipment. Withdrawals on contracts were light as usual at this season.

Crushers were fair buyers of cash seed in Northwestern markets but the principal demand last week came from seed houses, this development having a tendency to strengthen the opinion that the area under flaxseed in this country during the coming season will show a substantial increase, especially as the proposed trade agreement with Argentina has been abandoned. Reports concerning the condition of the soil in the Northwest were more favorable as a result of additional snows over many sections. Crop news from Argentina continued bullish. Receipts of flaxseed at New York last week were 339,161 bushels. Shipments from Bombay to Europe were 68,000 bushels.

MINNEAPOLIS, Jan. 19.—In the past few days virtually no business has been transacted in linseed oil and although there is fair inquiry for delayed shipment buyers are not signing on the dotted line. On the other hand crushers have plenty of shipping instructions on maturing contracts and no noticeable reserves of oil on hand so are not pressing the market or making concessions to get business.

Quotations on carload lots, f.o.b. Minneapolis, tankcar lots, 10.2c. per pound; cooperage, car lots, 10.8c. per pound; warehouse lots, 11.2c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week.....	2,400,000	1,440,000
Since Sept. 1.....	54,940,000	29,427,332

SAN FRANCISCO, Jan. 17.—Some linseed oil consumers are covering moderately ahead. Drum lot business is fair and deliveries are good. Quoted:—Tankcars, 10.3c. per pound; drum lots, ex-mill, 10.9c.; drum lots, exwarehouse, 11.3c.

CHICAGO, Jan. 19.—Linseed oil fairly active. Tankcar, 10.7c. per pound; car lots, 11.3c.; less than car lots, 11.7c.

LONDON, Jan. 19.—Linseed oil, 40s. 6d. per cwt.

Cake and Meal.—The market had a steady tone, quotations on cake and meal generally being held at previous levels. Domestic and export trade quiet.

MINNEAPOLIS, Jan. 19.—Inability of the smaller soybean mills to withhold their meal from the market is a disturbing factor in the linseed meal market at present. Competition is the stiffest to date for the season and crushers are insisting on prompt shipping instructions on maturing contracts.

Severe weather stimulated demand to some extent but because of the soybean pressure buying does not absorb available linseed meal supplies.

Quotations on carload lots, f.o.b. Minneapolis, 100 pound sacks, $24 to $24.50 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week.....	5,120,000	2,520,000
Since Sept. 1.....	82,930,000	46,186,650

CHICAGO, Jan. 19.—Buyers of linseed meal are inclined still to keep their buying operations on the conservative side and to avoid the building up of stocks. Round lots, $34 to $35 per ton; car lots, $35 to $36; less than car lots, $37 to $38.

Cottonseed Oil

Refined oil futures quiet locally. Southern markets for cottonseed products also rather slow though some increase was noted in the movement of meal. Price changes generally within narrow or moderate limits.

Cottonseed Oil.—Trading in refined cottonseed oil futures continued quiet last week. There was nothing stimulating in the action of other commodities and traders were still disposed in not a few instances to hold aloof from the market or operate merely for small turns. Price movements were narrow, the range between the high and low quotations of the week on the principal months being about 15 to 20 points. There was further switching from near to distant months. January was switched to March at 5 points difference. March was switched to May at 11 points and to July at 21 points. Additional tenders on January contracts brought the total for the month thus far up to 22.

Southern markets for crude oil were quiet and prices in some sections were shaded slightly although offerings continued small. An upward trend at times in lard futures was attributed mainly to covering of shorts, as the movement of hogs continued heavy despite severe winter weather. Receipts of hogs in the principal Western centers for four days of the week aggregated 401,700 head against 248,900 head in the same time last year. The weight of the hogs received in Chicago during the week ended January 13 averaged 238 pounds against 236 pounds in the previous week and 233 pounds in the week before that.

Stocks of lard in Chicago increased 19,476,996 pounds during the first half of January against an increase of 6,141,010 pounds in the same time last year. Stocks in that market on January 15 were 104,654,554 pounds against 63,134,400 pounds a year ago. The export movement of lard was light and domestic trade was apparently limited to comparatively small lots. The Federal Surplus Commodities Corporation announced that it would receive offers to sell lard up to January 29 and award contracts February 1. No estimate of the quantity which may be purchased was given.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from January 13 to January 19, inclusive, comprised 323 contracts, a total of 19,380,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	7.00	7.00	.....
March	7.10	6.88	7.01@7.02
May	7.20	6.98	7.11@7.14
July	7.30	7.08	7.22 sale
September	7.35	7.20	7.27 sale

Crude, Southeast, .057⅛@.06c. Nom.

Chicago, Jan. 19.—Cottonseed oil fairly active. Good, off-Summer yellow fig oil is 7¼c. per pound. Refined, edible oil is 9¼c. to 9½c. per pound, barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

Hull, Jan. 19.—Cottonseed oil, refined, 30s. 6d. per 112 pounds; crude, Egyptian, 26s.

Cake and Meal.—An increase in the movement of meal was reported in parts of the South. Offerings were light and spot quotations were generally maintained.

Markets at Other Centers

Atlanta, Jan. 17.—Cottonseed meal firm; 8 percent grade in Southeast, $32 per ton; prime crude oil, 6c. per pound. Unfavorable weather continues to hinder the early breaking of cotton land in the Southeast.

Memphis, Jan. 19.—Crude cottonseed oil quiet, only a few tanks being sold this week at 6c., Valley points. Meal demand stimulated by cold weather; 41 percent, $30.50 per ton, Memphis. Cake, $27.50 per ton, Valley basis. Hulls, $6.25 to $6.50 per ton at mill points. Many mills this section will finish crushing by March 1. Seed arivals will be much smaller than last year. Practically all seed holdings have been sold. Seed quoted at $32 to $33 per ton at gin points.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	January 11.	January 18.
January	$29.85@30.40	$29.60@30.50
March	28.15@——	28.30@28.45
May	28.15@28.35	27.80@28.00
July	28.00@28.35	27.60@27.90

Waxes

Bayberry.—Spot, 25c. to 26c. per pound with stocks limited. Forward delivery business, 23c. quoted.

Bees.—African, higher at 28c. to 29c. per pound, being higher than Brazilian crude wax. Latter quoted 27c. to 28c. Bleached and refined yellow still steady to firm. Moderate demand.

Candelilla.—Prices shaded. Market, 18c. to 19c. per pound as to quantity. Demand restricted to moderate sized lots.

Carnauba. — Wax accumulating in Brazil eases prices there. Lack of demand from this country assisting development lower replacement cost. Believed spot importers holding aloof with intent of influencing developments in Brazil. Spot No. 1 yellow lower at 73c. to 74c. per pound, ton lots; 5 bag lots, 73½c. to 74½c.; 1 bag lots, 74c. to 74½c.; No. 2 yellow, 71c. to 72c. Chalky and No. 3 North Country unchanged.

Japan.—Quotations shaded to 16½c. to 17c. per pound as demand lags.

Spermaceti.—Blocks, 23c. to 24c. per pound; cakes, 24c. to 25c. Trading limited at slight decline.

Fatty Acids

Castor Oil.—This fatty acid remained firm in company with basic material. New business was quieter, but there was a steady movement to makers of cosmetics and shampoos, as well as synthetic resins.

Coconut Oil.—Consumers of coconut oil fatty acid were not inclined to purchase in advance of current needs, but a somewhat better inquiry was noted for small or moderate lots. Tone steady.

Cottonseed Oil.—Quotations on this fatty acid were generally stationary in

—Continued on page 59

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* 1818 *

Drugs, Fine Chemicals

Cream of Tartar, Rochelle Salt, Seidlitz Mixture, and Tartaric Acid Advanced Sharply—Production Cost Rising—November Glycerin Exports at New High — Mercury Firm

New developments in the drug market centered in the rising cost to produce all tartrates, the prices for which were advanced sharply last week. Otherwise, the week was lacking in price developments. Undertones were reported as firm in all respects. Demand was very good. In additional to the general run of all business, there was an excellent volume of request for items distinctly seasonal at this time of the year.

Release of comparative statistics showed November exports of glycerin totaling 1,719,385 pounds, comparing with 72,317 pounds exported in July. Chile was the largest buyer with Norway and Canada ruling next in that order. Exports of codliver oil from Norway to the United States during the January-October period were shown to have been heavy. The total was 2,982,451 gallons.

Reports received from China suggested that that country may become an increasingly active supplier of menthol. Peppermint plantings in the Shanghai area, in addition to the already substantial acreage under cultivation in the lower valley of the Yangtze point toward an increasing output of Chinese menthol, an article which, in recent years, has competed with Japanese goods. With Japan in control of the Shanghai, the element of competition may be brought to heel eventually.

Price Changes

Advanced

Cream of tartar, 1½c. per lb.
Rochelle salt, 1c. per lb.
Seidlitz mixture, ¾c. per lb.
Tartaric acid, 2c. per lb.

Reduced

Quicksilver, $4 per flask

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
196.7	196.7	195.5	182.6

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Excellent and seasonal demand noted. Movement gains moderately. Prices substantially firm.

Acid, Acetylsalicylic.—Very good call. Movement seasonal and likely to hold. Conditions favorable to keep volume substantial.

Acid, Boric.—Business normal in volume and very steady. Prices firm.

Acid, Citric.—Trade quiet. Prices steady and stabilized.

Acid, Tartaric.—Market 2c. higher. Prices are:—10,000-pound lots, one delivery, 33¼c. per pound; smaller lots, barrels, 33¾c.; kegs, 34¼c. Shipments from Chicago, ½c. higher. Advance based on replacement situation in raw material.

Agar.—Demand fair to good. Prices firmly maintained. Little local competition. Replacement quotations hold firm in Japan.

Alcohol.—Demand continues good. Shipments against contracts maintained at satisfactory volume. No accumulation of unsold stocks likely at current rate of consumption. Raw material firm. Outlook favors firm maintenance of present price schedule.

Aloe.—Basic position firm. Less tendency toward advance in primary market. Consumption running about normal.

Aloin. — Demand routine. Market fairly quiet, but genuinely steady.

Ammonia Benzoate. — Moderate demand now but larger call expected soon. Quotations steady to firm.

Ammonia Chloride.—Sales volume maintained by favorable conditions tending to raise consumption. Prices firm.

Antipyrene.—Trade somewhat routine but up to seasonal volume. No disturbance of prices likely.

Bismuth Metal and Salts. — No change in recently good demand. Prices firm on salts. Well maintained on metal.

Cadmium Metal.—No further advance. Market strong and active. Consumption taking production promptly.

Caffeine.—Citrated material in good request. Call seasonal. Alkaloid in steady demand. Deliveries prompt to regular customers.

Camphor.—Turpentine prices cross 34c. mark. Suggests possible change in price on technical domestic synthetic material. Japanese natural camphor strong at all points and in all ways. Excellent booking of forward business in U.S.P. synthetic.

Castor Oil.—Market strong. Bean prices higher at $95 to $98 per ton, f.o.b. Brazilian shipment ports. Oil tending toward further rise. Dehydrated oil 17½c. per pound in tanks, nominal; drums, car lots, 18.1c., nominal; less car lots, 18.5c.

CHICAGO, Jan. 18.—Castor oil price structure strong. Ruling prices are:—No. 1, barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Codeine.—Sulphate and phosphate moving well. No delays in deliveries. Outlook for normal supplies good. Prices firm.

Codliver Oil.—Market quiet. Demand routine and not expanding. Undertones steady to firm. Prices maintained well. Exports from Norway to United States, January-October, 1939, 1938, and 1937, compared as follows:—

	Gallons— 1937.	1938.	1939.
Steamed and raw medicinal oils.	1,170,646	502,589	1,215,611
In bottles.....	.....	207	129
Poultry and veterinary oils....	1,131,414	772,310	940,998
For industrial purposes	1,447,206	1,564,115	825,713
Totals	3,749,266	2,839,121	2,982,451

Cream of Tartar.—Raw material strength forces further advance. Prices became:—5,000-pound lots, one delivery, 26¾c. per pound; smaller lots, barrels, 27¼c.; kegs, 27¾c.

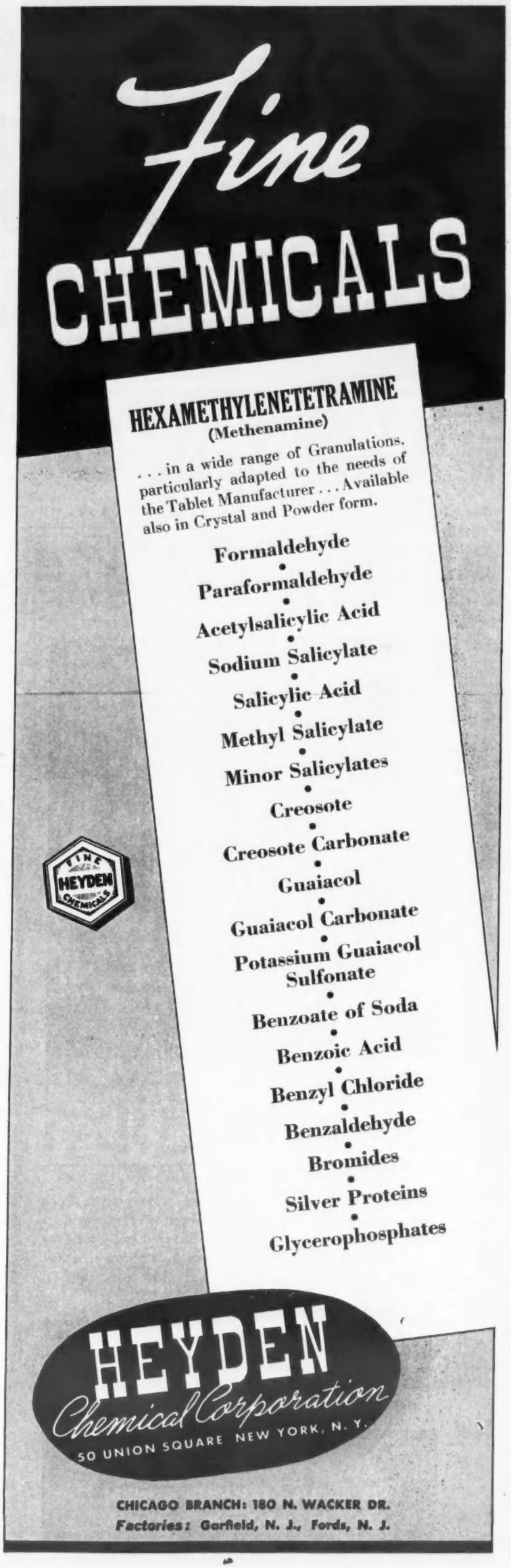
Creosote.—Demand active and at seasonal levels. Undertones show strength. Prices fully maintained. Little competition.

Epsom Salt.—Consumption about normal. Market firm in tone. Prices display stability.

Formaldehyde.—Domestic business good. Prices firm. Exports, November, totaled 626,993 pounds. Canada best customer, taking 294,449 pounds. Argentina second with 104,400 pounds. Smallest export, 16 pounds to Venezuela.

Glycerin.—November exports large. Total, 1,719,385 pounds. October, 812,261 pounds. September, 1,029,256 pounds; August, 421,930 pounds; July, 72,317 pounds. Principal buyers in November were as follows:—Chile, 533,094 pounds; Norway, 450,409 pounds; Canada, 334,156 pounds. Smallest export, 10 pounds to certain British West Indies. Spot market firm

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7



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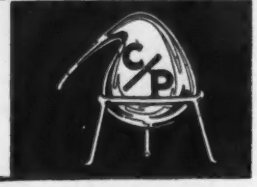

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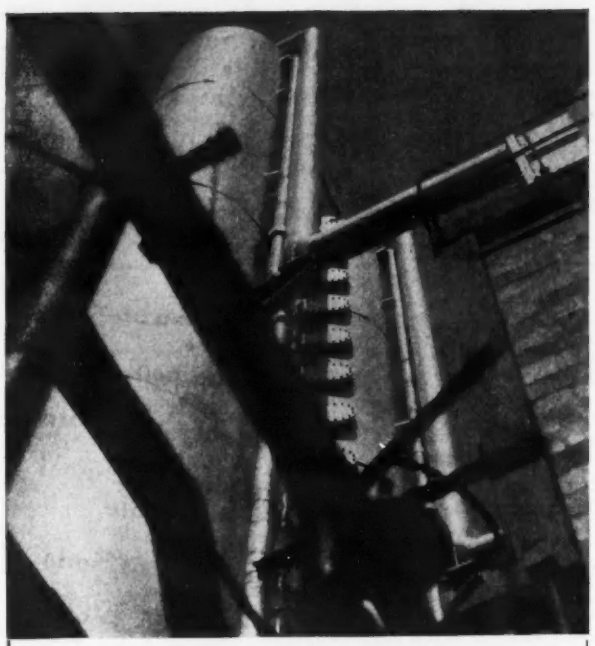

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CALCO CHEMICAL DIVISION
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in tone. Prices free from unsettlement, tending toward continued stability.

CHICAGO, Jan. 17.—Glycerin business steady. Tone firm. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12¼c.; drums, less than car lots, 12½c.

Iodine and Iodides.—Business routine in character. Volume about normal. Prices very steady.

Magnesia.—Carbonate and oxide moving well. Consumer needs maintained. Deliveries on prompt basis. Prices stable.

Menthol.—Japan furthering Chinese production. Plantings of peppermint increase in Shanghai area. Considerable quantities being grown in lower Yangtze region. Spot menthol firm at recent advance. Local quotations cheaper than duty paid replacement cost. Demand still conventional.

Mercurials.—Prices unchanged. Recent sharp rise in raw material did not affect schedule. Normally active request. Undertones firm.

Methanol.—Demand very good. Buyers of synthetic on contract taking deliveries promptly. Natural item in steady request. All prices firm.

Methyl Acetone.—Call very good. Future requirements being covered more substantially. Prices firmly maintained. Sales on zone basis still not general.

Morphine. — Winter requirements about normal. Deliveries prompt. Prices well stabilized.

Phenobarbital.—Quotations well stabilized. Demand steady but not expansive. Volume about normal. Stocks in good reserve.

Phenolphthalein. — U.S.P. demand steady. Buyers cover future requirements freely. Interest in yellow material conventional. Prices steady.

Quicksilver.—Prices down to $154 to $160 per flask. Basic position suggests early renewal of market strength. Production on Pacific Coast may increase.

SAN FRANCISCO, Jan. 17.—Quicksilver sales in East reported at $155 to $156 per flask. Market apparently stronger now. Minimum of $158 reported here. Ten mines, long inactive, likely to resume production. High prices encourage operations.

Quinine.—Demand very good. Seasonal requirements running ahead of last year. Outlook for continued activity favorable. Prices firm.

Rochelle Salt. — Production cost rises. Schedule up 1c. per pound. Market, 5,000 pound lots, one delivery, 20¾c. per pound; smaller lots, 21¼c.

Saccharin.—Market firm in price. No surplus supplies available. All legitimate consumer needs of regular customers being supplied.

Salicin.—Demand rather quiet. Buyers operate only for immediate needs. No price unsettlement in sight.

Salol.—Demand has risen with advance of the season. Market active at firm prices.

Santonin.—Little demand. Market holds strong. Improvement expected in Spring. No signs of price weakening.

Seidlitz Mixture. — Market higher. Prices: 5,000 pound lots, one shipment, 16⅞c. per pound; smaller lots, 17⅜c. Caused by rising production cost.

Silver Nitrate.—Price schedule, basis 100-ounce lots. Smaller lots cost 1c. to 2c. more; 500 ounces, about 1c. less. Table compares prices on bullion, New York and London.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	26⅞	34¾	22⅜
Monday	26⅞	34¾	21¾
Tuesday	26⅞	34¾	22⅛
Wednesday	26⅞	34¾	22⅝
Thursday	26⅞	34¾	22¼
Friday	26⅞	34¾	..

Q-Mar Laboratories, Inc., fine chemical manufacturer, this city, has started production of sodium azide on a semi-commercial basis.

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Drug Warning Statements Must Be Legally Adequate

—Continued from page 5

The suggestion that the sample warning statements may be ignored by manufacturers who feel that they contain unnecessary language is viewed by F.D.A. officials as reflecting a rather superficial conception of a manufacturer's duties under the law. It is pointed out that the sample warnings were issued, not only to assist manufacturers in label revision, but also to give a rather broad hint of the way in which the Department of Agriculture intends to apply the law.

Manufacturers' Views

Dr. Frederick J. Cullen, secretary of the Proprietary Association, expressed the opinion that Mr. Campbell's letter to field agents contained merely suggestions for warning statements and that it is not necessary for a manufacturer to follow the language exactly in all instances. He pointed out that the warning statements were presumably designed for preparations containing fair-sized doses of the drugs in question and that in adapting the label to a preparation containing smaller amounts it is in order to consider the quantity present and the frequency and duration of dosage recommended.

His conclusion is that manufacturers who have made an honest effort to write adequate warning statements need not destroy their labels and print new ones conforming exactly in language to those approved by the administration, but he pointed out that if a warning label has been written in an attempt to evade the intent of Congress in section 502(f) (2) the manufacturer may find himself in difficulties.

In answer to inquiries concerning Mr. Campbell's letter to field agents, Carson P. Frailey, executive vice-president of the American Drug Manufacturers Association, has written:—

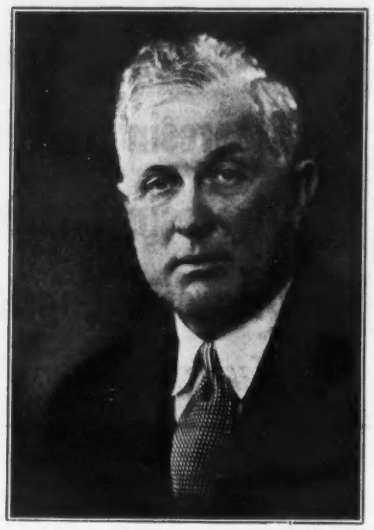
The warning statements released by the Food and Drug Administration are merely advisory suggestions. Congress has ordained that the responsibility for "adequate warning" rests upon the shoulders of the manufacturer. Due, however, it is reported, to great pressure from certain outside quarters, the Food and Drug Administration prepared the warnings under consideration and issued them as reflecting the selection and arrangement of words which in their judgment best fulfilled the meaning of the terms "adequate warning."

Any manufacturer is at liberty to make his own choice of words to constitute "adequate warning" to fit the circumstances surrounding use of his product. Of course if he departs from the advisory suggestions, as it were, either by deletions or restricting the scope of the language, he must assume full responsibility. I imagine the courts will be inclined to consider the pattern promulgated by the department as being within the realm of safety. Modifications adopted by manufacturers may not be so construed by the judiciary. No one can tell in advance of actual litigation.

McKesson & Robbins, Inc., net sales for December totaled $14,639,733, against $15,086,160 in December, 1938.

Dunning Science Hall At W.C. Dedicated

Dunning Science Hall, a gift of Dr. H. A. B. Dunning, president of Hynson, Westcott & Dunning, pharmaceutical manufacturer, Baltimore, to his first alma mater, Washington College, Chestertown, Md., was dedicated January 16. Dr. Dunning formally presented the building to the college, and it was accepted by Dr. Gilbert Wilcox Mead, president of the institution.



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Dr. H. A. B. Dunning

The new college building is a modified Colonial structure of red brick and cement, with thirty-five rooms. It was erected in 1938 at a cost of $80,000. Some 500 persons, many of them prominent in the pharmacal world, attended the dedication ceremonies. In addition to Dr. Dunning and Dr. Mead, addresses were made by Dr. Isaiah Bowman, president of Johns Hopkins University; Dr. Guy F. Snavily, executive director of the Association of American Colleges; and others. Luncheon for about fifty of the guests was served in the college dininghall.

Dr. Dunning is an alumnus of Washington College, of the Maryland College of Pharmacy, and of Johns Hopkins University. He is widely known for his substantial philanthropic interest in the advancement of the pharmacal profession and of related sciences.

Bruce Puffer Resigns From Commercial Solvents

Bruce Puffer has resigned as manager of industrial alcohol sales for the Commercial Solvents Corporation, this city. No successor has been named to the post. Mr. Puffer, long prominently identified with the alcohol industry, says that his plans for the future have not yet been brought to a definite stage.

Chlorine production is being considered by the Rand Water Board of South Africa.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

A.P.M.A. to Discuss Sales and Advertising

—Continued from page 4

Harry C. Phibbs, of the Harry C. Phibbs Advertising Company, Chicago.

The topics selected for discussion are as follows:—

Advertising

A—To the doctor:—
1. Direct mail—source of names
2. Magazine advertising
3. Sampling
4. Convention exhibits
5. Movies

B—To the drug trade:—
1. Direct mail—source of names
2. Magazine advertising
3. Sampling
4. Convention exhibits
5. Movies

C—House organs

Sales

A—Selection of salesmen:—
1. Training
2. Experienced salesmen versus young men from plant
   a—Other sources:—
   (1) Newspaper ads
   (2) Drug store clerks
3. Investigational reports

B—Selection of detail men:—
1. Training
2. Experienced salesmen versus young men from plant
   a—Other sources:—
   (1) Newspaper ads
   (2) Drug store clerks
3. Investigational reports

C—Sales contests:—
1. Rewards
   a—Cash or merchandise prizes

D—Office control of salesmen
E—Compensation
F—Deals:—
1. To doctor, retailer, and wholesaler, and relation to each other

G—Returned goods

Drug Chain Store Sales Gained 4 Percent in Nov.

Chain drug store sales, on a daily average basis, rose about 4 percent during November in contrast to a decline from October to November during the past several years, according to the Bureau of Foreign and Domestic Commerce. October sales, however, had failed to attain the normal seasonal rise. November dollar volume was about 2 percent above November last year. This compared with a decline of 2 percent for October. Inventories increased 6 percent.

Vitamin Food Label Rules to Be Issued

OPD Washington Bureau
January 17, 1940

Within the next two weeks the Food and Drug Administration expects to issue tentative regulations for the labeling of special dietary foods as required by section 403(j) of the food, drug, and cosmetic act. A date for a public hearing on the tentative regulations will be set at that time.

The regulations will deal with the disclosure of information concerning vitamin, mineral, and other dietary properties to be given on the label of foods represented for special dietary uses.

Ted Strong Enters Advertising Business

T. S. Strong, who resigned the presidency of Strong, Cobb & Co., pharmaceutical manufacturer, Cleveland, Ohio, several months ago, has joined Ivey & Ellington, advertising agency, Philadelphia.

Mr. Strong entered the employ of Strong, Cobb & Co. as a salesman. He became general manager in 1922, and was elected president of the company in 1928. He is a well-known figure in the drug industry because of his activities in the affairs of the American Pharmaceutical Manufacturers Association, the National Association of Chain Drug Stores, the National Wholesale Druggists Association, the Proprietary Association, and the Toilet Goods Association.

Carson Gray Frailey has opened offices for the general practice of law and in government departmental matters in the Albee building, Washington. Mr. Frailey is the son of Carson P. Frailey, executive vice-president of the American Drug Manufacturers Association.

William Lau Honored By N.Y. Drug Club

The officers, board of governors, and members of the Drug and Chemical Club, this city, said farewell and good luck to William Lau who has retired as manager of the club after thirty-one years of service. Mr. Lau goes into retirement in order to do many things long postponed but now to be realized.

At two in the afternoon, the lounge of the club was well filled by those who came to pay tribute to Mr. Lau who in the years of his service acquired deep and lasting friendships among those whom he served.

G. W. Niemeyer, of Handy & Harmon, president of the club, spoke feelingly of the loss which Mr. Lau's voluntary retirement gives to the entire club membership. In token of the regard in which the officers, governors and members held him, Mr. Niemeyer, acting for the club, presented Mr. Lau with a bonus of $5,000 and a monthly pension of $150 for life. The board of governors of the club gave him a large sterling silver tray, engraved with their signatures in facsimile, and the former presidents of the organization presented Mr. Lau with a platinum wrist watch.

Mr. Lau was visibly affected by the expressions of friendship and esteem showered on him. In acknowledging them, he declared:

My heart is too full to adequately express my feelings at this time. My thirty-one years of close association with you, I feel, fully justify me in addressing all of you as my friends; for you, truly, have demonstrated a spirit of friendship and cooperation which made it possible for me to give you at all times the very best I had in me.

It is hard to sever a connection such as I have enjoyed here. Truly, I am going to miss the wonderful daily contacts and, frankly, I hope you will miss me, too.

I thank you from the bottom of my heart for all that you have done toward making my retirement, due to the condition of my health, easy and comfortable and I bespeak for my successor the same type of helpful cooperation that you have always given me.

To each and every member of the Drug and Chemical Club I extend my best wishes for personal happiness and success and for the club itself a continuance of the enviable position it has always occupied as one of the outstanding luncheon clubs in this section of the country.

The following resolution was ordered spread on the minutes of the club and an illuminated copy in the form of a scroll was presented to Mr. Lau, reading as follows:

The board of governors of the Drug and Chemical Club of New York, on the occasion of the resignation of William P. Lau as manager of the club, express and record in this form, on behalf of all the members, the high esteem in which he is held, their regret that they must lose one who has served the club so loyally, faithfully, and efficiently for the past thirty-one years, and their appreciation of his services.

The board also takes this occasion to extend to him life membership in the club, coupled with the wish that, for many years to come, he may enjoy in peace and contentment all the things for which he has hoped and worked.

For the board of governors and members of the Drug and Chemical Club of New York, G. W. Niemeyer, president; William J. Reynolds, secretary.

An Error

The advertisement of S. B. Penick & Co., this city, in the REPORTER, issue of January 15, listed nine products made in the company's manufacturing laboratories. A misarrangement of the type made it appear that but two of the listed items were company manufactures. All of the following products are made by the Penick company:—Saponin, Aloin U.S.P., podophyllin, U.S.P., Mexican scammony resin, N. F. VI, jalap resin, N. F. VI, oleoresin of ginger N. F. VI and U.S.P. VIII, oleoresin of capsicum N. F., VI and U.S.P. VIII. In addition to the above, the company also manufactures numerous alkaloids, concentrations, as well as solid and powdered extracts.

Colgate-Palmolive-Peet Company, Jersey City, has authorized the redemption April 1 of an additional $2,500,000 of the 6 percent preferred stock at the call price of $102.50 a share.

Botanical Drugs, Spices, and Gums

Arabic and Asafetida Gums Easier and Lower — Mexican Sarsaparilla Higher — Demand Improved Moderately —Replacement Costs Show Primary Market Strength

Some gain in activity was noted in the market for botanical drugs during the past week. The improvement in trade was conservative in size but none the less welcome for all of that. Most of the gain in sales volume originated among smaller manufacting consumers whose purchases during the very active final quarter of 1939 had not been all inclusive of their raw material requirements. Larger consumers were a part of the market last week to an extent somewhat less than normal. Such buyers were reported holding large stocks in reserve and their early return to the market was uncertain.

Prices for most medicinal botanicals showed a deal of stability throughout the week under review. Much less revising of prices took place and more general adherence to quotations seemed to be the rule. The maintainence of prices was related definitely to the generally firm to strong position held by practically all medicinal crude drugs in their several primary markets. No weakness, especially abroad, was reported and the outlook for continued strength at the sources of supplies was clear and favorable.

Balsams

Fir.—Conditions unchanged. Market undertone. Prices well supported by moderate demand.

Tolu.—Stocks low. Replacement offers few and priced high. Local quotations close to nominal at 85c. per pound.

Barks

Angostura.—Steady undertones. Not much demand. Little competition. Stocks conservative but sufficient for the present.

Buckthorn. — No unsettlement. Steady undertones under influence of light request. Stocks conservative, especially of cut material.

Canella. — Demand irregular and mainly jobbing. Prices steady.

Cinchona. — Revision and supplements to the Dutch Cinchona Restriction Ordinance of 1937, made November 1, 1939, enable cinchona estate owners of first, second and third groups to receive new licenses and/or assignments for shipments which they may lose in transit because of war.

Cocciliana. — Slightly more competition but no break in open quotations. Fair stocks in hand.

Lemon Peel. — Undertones quiet. Prices steady on spot. Outlook fair for replacements. No weakness noted abroad.

Simarubra. — Steadier .undertones. No tendency to shade prices. Consumer interest moderate. Orders light.

Beans

St. Ignatius.—No further price drop. Market steadier. Spot in line with replacement cost.

Tonka.—Firm prices and fair demand. Volume maintained at recent levels. Reserves about normal locally.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	...	710
Belladonna	...	24
Caraway	...	1,464
Cardamom (cases)	...	27
Celery	...	1,599
Coriander	...	2,855
Cumin	...	1,170
Digitalis leaves (cases)	...	...
Dill	...	...
Fennel	60	317
Henbane leaves (bales)	72	95
Mustard	300	882
Poppy	...	5,647
Sage leaves (bales)	...	382
Sesame	...	2,866
Stramonium	112	112
Thyme	...	64

Price Changes

Advanced

Cumin see, Morocco, ¾c. per lb.
Ginger root, Jamaica, medium, ¼c. per lb.
Rapeseed, Dutch, red, ½c. per lb.
Sarsaparilla root, Mexican, 1c. per lb.
Senna siftings, 1c. per lb.

Reduced

Arabic gum, sorts, 1c. per lb.
Asafetida gum, 15c. per lb.
Canary seed, Argentine, ¼c. per lb.
Caraway seed, Russian, ½c. per lb.
Celery seed, French, ½c. per lb.
Indian, ½c. per lb.
Cassia, Batavia, ¼c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
No. 3, ½c. per lb.
Fennel seed, Indian, ¾c. per lb.
Mustard seed, Dutch, yellow, ¾c. per lb.
Nux vomica, whole, 1½c. per lb.
Pepper, red, Japanese chillies, 1½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
186.7	186.6	182.9	118.2

Market news that may have developed after this report was sent to press will be found on page 4.

Vanilla.—Demand improved. More inquiry and selling. Market undertone and prices steady to firm. Competition restrained by forward position of the item.

Berries

Buckthorn.—Foreign prices firm and shipments uncertain from source. Spot steady to firm with little action noted.

Fish.—Steady undertones. Sellers show little trend toward competition. Fair reserves in hand at well maintained prices.

Hawthorn.—Decline not extended. Prices steadier. Trade irregular.

Flowers

Arrica.—Prices maintained at recent advance. Demand holding well. Competition in retreat.

Calendula. — Steadier undertones. Price decline checked. Not much demand.

Chamomile. — Firm undertone in Hungarian flowers. Recent price rise maintained. Replacement cost practically strong. Steady demand for moderate quantities.

Lavender.—Undertones fairly easy. Competition still current. Open decline in prices not extended.

Saffron.—Spanish and Mexican flower prices steady. No greater demand but a fair jobbing request continued.

Gums

Arabic.—Market on sorts lower at 14½c. to 15c. per pound; powder,

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

THEY TAKE YOUR WORD FOR IT!

Each time a user of your product buys it, he testifies that he takes your word for the claims you make. Each repeat sale thereafter is a confirmation of the fact that your product has kept its promise. To maintain that feeling at all costs is the most important function of your preparation — and our Botanical Crude Drugs. For nearly a half-century, we have had the privilege of helping manufacturers maintain the uniformity and quality, which build success, by supplying the world's finest Foreign and Domestic botanical crude drugs in all commercially used forms. In the merchandise we sell to you and the products *you* sell your customers, "quality is remembered long after price is forgotten." And, after all, it costs as much to manufacture a low-test product as a high-test product. We invite the opportunity of serving you. *Samples and quotations on request.*

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Because of its high viscosity and colloidal properties, Algin is used regularly as efficient but economical thickening, emulsifying and stabilizing agent in such diverse fields as—

—ice cream and chocolate milk
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—cheese processing
—confectioneries
—textile printing
—cold water paints
—leather dressings
—tooth pastes, shaving creams, liquid dentifrice, soaps and other cosmetics
—in fact, wherever a hydrophilic colloid or gum-like material is required.

Algin is made from domestic kelp to exact specifications. Thus, you are assured of a uniform quality material and uninterrupted service.

Complete information about the use of Algin in your operations will be gladly sent on request.

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KELCO Company
75 E. Wacker Drive, CHICAGO
31 Nassau St., NEW YORK
530 West 6th St., LOS ANGELES

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A FINER VANILLIN OF EXQUISITE AROMA

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Largest factory in the world devoted exclusively to the manufacture of Vanillin. Here the finest quality Vanillin is produced.

Guarantee yourself an uninterrupted source of supply of Vanillin for your products ¶ **LIGNIN** Vanillin is made entirely from native American material ¶ On standing in the finished product a decided improvement in flavor over old style Vanillin is noticeable. Uniformity of quality is absolutely assured through exacting laboratory control ¶ Requests for samples on your firm's letterhead will be promptly answered.

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GENERAL DRUG COMPANY

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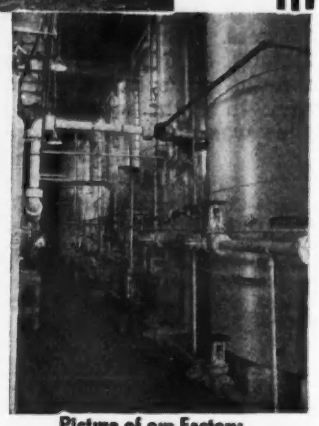

Picture of our Factory Wisconsin, U. S. A.

17½c. to 18c. Spot and future position improved. Demand routine.

Asafetida.—Prices shaded to 45c. to 50c. per pound for whole; 70c. to 75c. for powder. No important surplus of spot stocks. Little demand encouraged more competition.

Camphor.—Market fully strong in all ways. Japanese reports show much strength. Elimination of German synthetic increased drain on Japanese supplies. Domestic synthetic production well sold ahead. Unabated interest in stocks and offerings.

Guaiac. — Moderate demand keeps prices steady. Stocks fair. Replacements likely in fair volume.

Karaya.—Very good call resumed. Market undertones strengthen. Competition less apparent. Values fully maintained.

Myrrh.—Gain in inquiry maintained. Sales also up moderately. Prices well held in all quarters.

Herbs and Leaves

Buchu.—Some expect lower prices when new crop nears the spot. Market quiet and nominal in meanwhile.

Ephedra.—Firmer undertones in most quarters. Consumption making fair totals. Slight upward tendency in prices.

Henbane.—Undertones stiffen and price decline ends in firmer position. No surplus of spot stocks. Detention of arrivals almost the rule.

Henna.—Demand maintained well. Price shading not extended. More stable situation in effect.

Peppermint.—No weakness apparent as demand holds light. Foreign goods in uncertain replacement position. Little competition here. Stocks conservative.

Senna.—Siftings sold at 14c. to 15c. per pound. T. V. grades continued well stabilized. Movement into consumption satisfactory.

Stramonium.—Reasonable stability governs prices. Fair reserves in hand. Consumer activity quiet at moment.

Miscellaneous

Cantharides.—Russian flies firmer. Chinese flies steady. Demand routine. Prices unchanged.

Colocynth Pulp.—Slight unsettlement noted. Open prices hold. Demand routine and jobbing.

Ergot.—Strength unabated. Small stocks available abroad in strong hands. Prices pointed higher.

Guarana.—Trade fair to better. Prices steadier to firmer. Competition negligible.

Iceland Moss.—No further decline in ordinary quality. Bleached very steady. Demand seasonally good.

Nux Vomica.—Whole lower at 5c. to 6c. per pound. Powder unchanged. Manufacturing consumption running close to normal.

Roots

Aletris.—Steady to firm. Demand improved some. Stocks well held in moderate quantity.

Althea.—Cut root in fair to good request. Volume up some. Prices free from unsettlement.

Belladonna.—High-test root strongly placed. Some lower qualities still available at attractive prices. Outlook favored market of strength.

Dandelion.—Strong market. Limited stocks in strong hands. Replacements uncertain from abroad. Prices there high and tending higher.

Gentian.—Still a buyers' market. No further drop in open quotations.

Goldenseal.—Leading first hands report steady prices. Not much demand current now. Stocks mainly well held.

Ipecac.—Sellers show gaining reserve. Good quality root firmer at source. Spot demand to improve. Local quotations firm.

Jalap.—No weakness here. Demand still irregular. Source fairly firm.

Sarsaparilla.—Sales at 17c. to 18c. per pound indicate firm market for Mexican root. Other varieties dull, but steady.

Seeds

Canary.—Argentine seed lower at 3¾c. to 4¼c. per pound. Light demand. Others unchanged.

Caraway.—Russian reduced to 12½c. to 13c. Dutch unchanged.

Celery.—French, lower at 17½c. to 18c.; Indian, 14½c. to 15c. A buyers' market prevailed.

Fennel.—Indian seed off to 14¼c. to 14¾c. per pound. German, steady and unchanged.

Mustard.—Danish yellow shaded to 11¼c. to 11¾c. Sole change in this group.

Rape.—Red Dutch raised again, reaching 12c. to 12½c. per pound. Others unchanged.

Spices

Cassia.—No. 1 Batavia shaded to 17½c. to 18c. Other varieties unchanged.

Cinnamon.—No. 2 Ceylon down to 18½c. to 19c. per pound; No. 3, 18c. to 18½c.

Edmund Sinnott Heads Yale Univ. Botany Dept.

Dr. Edmund Sinnott, former president of the Botanical Society of America, has been named chairman of the department of Botany and director of the Marsh Botanical Garden of Yale University. Dr. Sinnott, who has been professor of botany at Barnard College since 1928, will assume his new duties next July.

Ginger.—Medium Jamaica root up to 11¼c. to 11¾c. per pound. Others unchanged.

Pepper.—Black Lampong lower at 4:35c. to 4.55c. per pound. Other black, and all white peppers hold. Japanese red chillies shaded to 21c. to 21½c. Mombassa unchanged.

Trading in black pepper futures on the New York Produce Exchange from January 13 to January 19, inclusive, comprised 41 contracts, a total of 1,377,600 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	4.16	4.10	3.95@3.98
April	3.97	3.96	4.00@4.02
May	4.11	4.02	4.03@4.06
July	4.27	4.08	4.11@4.15
September	4.20	4.18	4.17@4.22
October	4.40	4.19	4.22@4.27
November	4.31	4.31	4.27 nom.
December	4.50	4.28	4.30@4.32

J. Leonard Smith, Pacific coast manager for the Mennen Company, Newark, N. J., has been named assistant sales manager, with headquarters in the home office.

AGAIN OFFERING CONTRACTS for

OIL of DILL WEED

We are again favorably placed with respect to this outstanding Fritzsche Specialty and are glad to announce resumption of contract offerings. Makers of regular and processed dills who have relied upon F. B. OIL OF DILL WEED for its economy and superior flavor are urged NOW to arrange their season's requirements.

FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND ERIEANS (LOIRE) FRANCE

Essential Oils, Aromatic Chemicals

California Expressed Orange Advanced—Bergamot Rising—South American Petitgrain Higher—Spearmint Shows Strength —France Issues List of Oils for Unrestricted Export

Little change in the generally quiet essential oil market of recent date was noted last week. Demand for oils and aromatics followed practically the same pattern prevailing since the turn of the year. For the most part, demand was reported moderate in volume, not widely distributed through the entire list of materials, and tending to remain almost jobbing in character. Prices were generally steady to firm, this reflecting the absence of large stocks in the hands of dealers and importers on the spot.

With the beginning of the European war, France stopped unrestricted exports of many essential oils and aromatic chemicals, putting them under a license or permit system. Last week the Department of Commerce received a cable from the American commercial attache at Paris stating that an order which became effective January 12 permits the unrestricted exportation of French perfume oils including rose geranium, lemon, angelica, anise, clove, melissa, nutmeg, and the synthetic anethol. Certain oils which continue on the restricted list may be exported without licenses when they are blended into finished perfume products.

Price Changes

Advanced

Bergamot, 15c. per lb.
Orange, California, expressed, 10c. per lb.
Petitgrain, South American, 10c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
94.9	94.5	92.7	68.3

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise.—Steady prices reported. Replacement through Indo-China still in jeopardy of Japanese seeking to cut rail connection with China. Demand fair.

Bay.—Fair trade and steady prices the rule. No shortage of stocks, spot or primary market.

Bergamot.—Market higher at $4.15 to $4.25 per pound. New crop position considered firm as to values at source. Routine demand here.

Birchtar.—Limited demand keeping prices steady. Local reserves fair in size.

Bois de Rose.—Market undertones very firm. Current stocks on spot not readily replaceable at source. Quotations firm at all points. Demand routine.

Camphor. — Strong situation unabated. Shipments few, small, and irregular. Whole trend of values upward. Local quotations nominal.

Cananga.—Advance not extended. Firm position reached during recent rise. Jobbing business good.

Caraway.—Slightly unsettled prices fail of open change. Conditions more favorable for buyers. Moderate demand noted.

Cassia.—Market firm. Some upward tendency noted in prices. Reasonable steady demand for conservatice quantities. Reserve fair.

Citronella.—Java oil offering sharp price competition to Ceylon item. Local quotations not changed further but are easier.

Clove.—Deliveries still behind. Large production noted. Prices very steady. Little competition at moment.

Cubeb.—Market quiet. Prices reasonably easy. No further decline.

Eucalyptus. — Replacement situation serious. Lack of normal offerings continue. Stocks conservative at source. Local quotations strong.

Geranium.—France now permits unrestricted exports. Local market quiet but firm. Little competition and light demand the rule.

Grapefruit.—Good progress reported in new crop production in Florida. Market steady in price. Quiet as to demand.

Ginger.—Raw material very steady. Stable position developed. Oil also steady. Demand routine and in fair volume. Stocks good.

Juniper Tar.—Light stocks make firm prices. Normal replacement must await on new production. Routine demand noted.

Lavender.—Market reasonably steady and active. Prices show more stability. No tendency toward shading. Not included in list of oils permitted unrestricted export from France.

Lemon.—France places no restrictions on exports. Spot market steady. Demand normal for season. California oil receiving bulk of demand. Prices steady.

Orange.—Price on California expressed oil advanced to $1.60 per pound. Contracts on six months basis being written. No change in other varieties of this oil. Demand along seasonal lines.

Petitgrain.—Market up to $1.25 to $1.50 per pound and firm. Replacement cost higher. Trade quiet.

Spearmint.—No further advance in price. Firm to strong position noted. Fair demand.

Wormseed.—Situation still strong though advance is checked. Primary market sellers reserved. Movement excellent.

Wormwood. — Reserves unsold in country moderate. Creates strong situation. No further price rise.

Aromatic Chemicals

Amyl Salicylate.—Trade quiet. Only prompt needs taken. Prices mainly steady.

Anethol.—France now permits unrestricted exports. Spot firm. Demand routine but steady.

Anisic Aldehyde. — Fair inquiry. Sales moderate in volume.

Benzaldehyde.—Business about normal and very steady. Undertones and prices firm.

Coumarin. — Very good request. Movement steady and up to recent volume. Prices well maintained.

Ethyl Vanillin.—Firm market and prices plus good demand. Production up to consuming needs. Reserves ample.

Eucalyptol.—No sign of easing this this firm to strong market. Raw material offerings conservative and show high cost. Tendency upward.

Eugenol.—Some gain in deliveries of raw material moved. Producers still behind commitments. Demand for eugenol steady at firm prices.

Hydroxycitronellal. — Competition fairly keen. Prices yield no open change. Demand moderate but well maintained at current volume.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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ROSE ODORS
ROSE BUDS—our lowest priced Rose. Widely used for toilet soaps, bath salts, sprays, etc.
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CRYSTAL WHITE — DOUBLE DISTILLED
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MAIN OFFICE AND WORKS
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Linalool.—Better demand and more inquiry. Prices very steady.

Linalyl Acetate.—Demand conventional. Volume some less than normal. Prices holding well.

Menthol.—No further rise. Spot cheaper than replacement cost plus duty, laid down here from Japan. Demand conventional along jobbing lines.

Methyl Cinnamate.—Steady absorption of offerings noted. Prices steady. Limited competition current.

Musk.—Artificial about steady. Competition important element in transactions. Reserves in good supply.

Phenyl Acetaldehyde. — Both steady. Reasonable good interest shown. Prices very steady.

Dr. Guenther Films Essential Oils Production

Production of essential oils in the Far East, shown in natural color motion pictures, and woven into a colorful story by Dr. Ernest Guenther, chief research chemist for Fritzsche Brothers, essential oils and aromatic chemicals, was described to an audience of 250 in the Hotel New Yorker January 16. The film was a record of Dr. Guenther's recent around the world flight by airplane during which he studied at first hand the production of citrous oils, and oils of sandalwood, citronella, cinnamon, patchouli, vetiver, cananga, eucalyptus, star anise, cassia, camphor, and ylang ylang. The underlying purpose of Dr. Guenther's trip was twofold. First, to find out by personal investigation the most reliable sources of supply, and, second, to bring back authentic samples of oils produced under Dr. Guenther's personal supervision.

Dr. Guenther is recognized as one of the world's first rank scientists in the essential oil and aromatic chemical industries. After the showing of the motion picture, which he took personally in natural colors in the native countries of these oils, Dr. Guenther was revealed as a photographer of high technical skill who brings to photography keen sensitiveness to form, composition, and beauty. Guenther, the scientist, brought back invaluable information concerning the production of Far Eastern essential oils. Guenther, the artist, brought back innumerable shots of the colorful native life of the teeming East, shots highly artistic and possessing dramatic and emotional qualities.

Dr. Guenther's trip took him to Mysore, India, where sandalwood is produced as a government monopoly. Then to the Malabar coast where lemongrass is made in small, primitive stills. Citronella and cinnamon as produced in Ceylon came next with shots showing the preparation of raw materials and their distillation. The cultivation and harvest of patchouli in the Straits Settlements and its shipment for distillation at Singapore followed. Java, the source of vetiver, cananga, and citronella, and its highly developed civilization under the Dutch passed next across the screen.

Flying from Java to Australia, the film showed the production of eucalyptus by former gold miners working in the depths of the Australian "Bush," with interesting shots of Sydney and Perth, with their beaches and harbors. Then came French Indo-China and a trip to interior Tonkin, center of anise and cassia oil manufacture.

The airplane next set Dr. Guenther down in Japan where he photographed the native production of crude camphor and camphor oil under a government monopoly. Japan was the only place in his whole trip where the privilege to photograph the plant interiors in which camphor tree products are refined was not permitted. Arriving by plane in the Philippines, the dwindling ylang ylang industry in the Islands was shown against the background of modern Manila. Dr. Guenther's home flight was by China Clipper across the Pacific Ocean. The Far Eastern pictures were preceded by films showing the production of lemon, orange, mandarin, and bergamot oils in the several primary markets—Italy, French Guinea, in West Africa, and in California.

F. H. Leonhardt, president of Fritzsche Brothers welcomed the company's guests and Joseph A. Huisking, assistant to the president, introduced Dr. Guenther. Following the presentations, buffet refreshments were served. The same picture and lecture was presented by Dr. Guenther to a group of more than two hundred and fifty manufacturers of flavoring extracts in the Hotel New Yorker on January 18. Presentations will be made in Baltimore and Washington Tuesday and Thursday of this week, following which a presentation will be made in Boston and in Pacific Coast cities.

Lead in Cosmetic Pigments Not Proscribed

—*Continued from page* 3

on whether or not the finished cosmetic contains sufficient lead to cause injury to a user.

Commercial titanium dioxide frequently contains a considerable proportion of lead which does not injure the product for any use except cosmetics, and because the consumption of the product by the cosmetic industry is so small the manufacturers of the pigment have not felt it economical to employ manufacturing processes which would give a leadfree product, although some are studying the possibility of selecting batches which are relatively free from lead and setting these aside for cosmetic use.

Status of Zinc Oxide

Because of the fear that the use of titanium dioxide is discouraged by the Food and Drug Admnisitration, a number of manufacturers are understood to have substituted U.S.P. zinc oxide in the belief that this official drug approved for medicinal use would be certain to meet all requirements. It is reliably reported, however, that the U.S.P. test for zinc oxide is not designed to give a very definite determination of the amount of lead present, and that therefore some cosmetic manufacturers may be using a pigment containing more lead than the one which they discontinued.

Without passing on the relative merits of titanium dioxide and zinc oxide from the standpoint of lead content, F.D.A. officials feel that cosmetic makers are unduly alarmed over this situation. Their view is that manufacturers should keep the lead content of cosmetics as low as possible, at least until there is more scientific information in respect of the danger of lead poisoning from this source.

Toilet Preparations Exports In November Tabulated

The value of United States exports of toilet preparations during November, 1939, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$200,192
Other dentifrices	13,247
Talcum powder in packages	67,884
Face and compact powder	48,515
Cold creams	15,595
Vanishing creams	12,871
Other creams, lotions and balms	28,041
Rouges	19,368
Lipsticks	65,014
Other cosmetics	21,150
Manicuring preparations	40,561
Depilatories and deodorants	8,778
Hair preparations	42,844
Perfumery and toilet waters	18,280
Other toilet preparations	46,610

McK.&R. Authorized To Pay Small Claims

Federal Judge Coxe, this city, has authorized W. J. Wardell, trustee of McKesson & Robbins, Inc., to pay as soon as he conveniently could all frozen balances of $100 or less owed to merchandise and expense creditors as of December 8, 1938. Creditors affected by the ruling numbered 8,115 and their claims totaled $149,895. Other merchandise and expense claims, each amounting to more than $100, numbered 2,765 and totaled $7,797,841. Mr. Wardell reported that as of September 30, 1939, company's cash balance was $13,823,728.

'Heliobrom' Denied Registry

Neither the Doak Chemical Company, Cleveland, Ohio, nor Merz & Co. Chemische Fabrik, Frankfort-on-Main, Germany, is entitled to registration of the notation, 'Heliobrom,' as a trademark for certain pharmaceutical preparations, the United States Patent Office has held. The decision notes that the mark in issue was registered long prior to any date of use claimed by either party to a German concern known as Theodor Teichgraeber Aktiengesellschaft. It concludes that the Doak concern has not proved that the mark has been abandoned, a prerequisite to registration by that company, and that the Merz company has not been able to prove its claim to ownership.

Proprietary Medicine Exports Reported for November

Proprietary medicines exported from the United States during November have been tabulated by the Bureau of Foreign and Domestic Commerce. The value of the various classes of products exported in November was as follows:—

Classification.	Value.
Mouth washes and gargles	$35,106
Corn and foot remedies	7,398
Plasters	58,459
Liniments	8,795
Salves for burns, cuts and skin diseases	32,657
Salves for coughs, colds and catarrh	74,665
Cold, cough and bronchial preparations	50,680
Catarrh, asthma, and hay fever preparations	29,131
Malaria and chill preparations	12,314
Tonics and blood purifiers	187,298
Laxatives and purgatives	85,763
Milk of magnesia	26,094
Digestive preparations	10,361
Headache, neuralgia, and pain remedies	51,512
Other proprietary medicinals	161,974

Chemical Products Catalog Issued by Commercial Solvents

The specifications and properties of the important chemicals now manufactured by the Commercial Solvents Corporation appear in a new catalog issued by the company. A section of the book is devoted to the new nitroparaffins and their derivatives which were recently added to the line of chemicals offered by the concern. In addition to the chemical and physical data given under each of the products in the catalog are the industrial uses, the shipping containers in which it is available, and other valuable information of commercial interest concerning the item. Chemical specialty, pharmaceutical preparation manufacturers, and other interested parties in the processing industries may obtain copies of the catalog from the office of the Commercial Solvents Corporation, 17 East 42nd street, New York, mentioning the REPORTER.

'Arthron' Denied Registry

The United States Patent Office has reversed the decision of the examiner of interferences who had sustained the opposition of Nutrition Research Laboratories, Inc., Chicago, to the application of Olden Minerals, Inc., Los Angeles, for registration of the word, 'Arthron,' as a trademark for pharmaceutical preparations for preparing mineral baths for the treatment of arthritis and other ailments, but held nevertheless that the mark is not registrable. The opposition was predicated upon opposer's ownership of the trademark, 'Ertron,' for use on vitamin D concentrates, and the Patent Office found the two products in question to be not of the same descriptive properties. It was held, however, that on the basis of dictionary definition of the word, 'Arthron,' the term is descriptive and hence not registrable.

Fisk Rubber Approves Merger With U.S. Rubber

Stockholders of the Fisk Rubber Company, Akron, have voted to accept an offer of the United States Rubber Company to purchase the business and assets for $6,277,300 cash and 109,981 shares of the United States Rubber Company's common stock. Fisk preferred stock will be paid off at the rate of $110 a share, and common will receive approximately $6.75 a share in cash and one-quarter share of U. S. Rubber common. Action on proposal to dissolve the Fisk Rubber Corporation failed of approval, and the meeting adjourned until January 9 for further discussion on this point.

Libbey-Owens-Ford Buys Silvering Process Patent

A new silvering process to lower costs in production of mirrors has been acquired by the Libbey-Owens-Ford Glass Company, Toledo, through the purchase of Peacock Laboratories, Inc., Philadelphia. This new unit will be devoted to research engineering and manufacturing of mirror-making machinery, under the direction of William Peacock, founder and president of the organization.

Wisconsin Oil Refining Company plans the construction of a $750,000 refinery in Wilson, Wis.

Trade Briefs

Great Lakes Carbon Company, Wilmington, Calif., plans the construction of a new factory building.

Wessel, Duval & Co., has leased additional office space at its present address, 67 Broad street, this city.

Pine oil soaps production is being planned by a new plant in Northern Sweden, having a distillation annually of 3,000 metric tons of pine oil.

Henry G. Sidford, vice-president of the National Lead Company, this city, is expected back at his desk today after a two-week siege of tonsilitis.

C. R. McBride, of E. I. duPont de Nemours & Co., Arlington, N. J., has been elected treasurer of the Manufacturers' Club, West Hudson County, N. J.

Flavotex, Inc., manufacturer of flavoring extracts, has moved from New York to 1502 Ridgely street, Baltimore. Harry Sachs is the manager.

Prof. Harry McCormack, director of chemical engineering at Armour Institute of Technology, was recently elected president of the Illinois Engineering Council.

Dr. Firman E. Bear has been named head of the soils department of the college and agriculture and experiment station at Rutgers University, Brunswick, N. J.

Maryland Glass Corporation, Baltimore, has given out a contract for the erection of a one-story addition, 15 by 100 feet, which will be used for manufacturing purposes.

Hastolite Chemical Corporation, Baltimore, has increased its capital stock to 25,000 preferred shares of a par value of $10 a share, and 10,000 shares of no par common.

Sinclair Wyoming Oil Company, Tulsa, Okla., has signed a contract for the sale of royalty oil accruing to the United States from government lands in the Salt Creek, Wyo., field.

J. C. Holton has been appointed to a position in charge of cooperative field relations in the Bureau of Entomology and Plant Quarantine of the United States Department of Agriculture.

Innis, Speiden & Co., manufacturer and importer of industrial chemicals and allied products, is distributing the January issue of *Isco News,* in which is a list of the company's products.

Charles P. Gulick, chairman of the board of Republic Yeast Company, Newark, formerly the Brass Yeast Company, has been elected president. Samuel Brass, former president, retains affiliation with the company.

Coca-Cola Company got Federal court decisions January 15 in California and Virginia establishing that "coke" and "koke" are popular abbreviations of "Coca-Cola" and therefore their use as a part of the name of another soft drink constitutes infringement of the trademark "Coca-Cola."

Dr. F. D. Snell, of Foster Dee Snell, Inc., consulting chemist, Brooklyn, addressed the Connecticut Valley section of the American Chemical Society January 13 in Springfield, Mass. His subject was "Some Factors in Detergency." Dr. Snell outlined the four factors which so far as known control the efficiency of a detergent and showed their applications in many types.

Cowles Co. Appoints Clark Heavy Chemical Manager

Earl F. Clark has been appointed as manager of the heavy chemical department of the Cowles Detergent Company, with headquarters in Cleveland, Ohio. Mr. Clark was with the Standard Silicate Division of the Diamond Alkali Company for many years, and has been associated with Cowles as a representative of the laundry department in Western New England for several months. He succeeds Ralph C. Hughes, who resigned to take a position with the Hooker Electrochemical Company, Niagara Falls, New York, as New England representative of that firm.

Petroleum Solvents Lubricants, Fuels

Petrolatum and White Mineral Oils Markets More Normal — Bunker Fuel Oil Price Stabilized — Heating Oils in Heavy Demand—Texas Abandons Well Shutdowns

The markets for white mineral oils and petrolatum appeared to have settled in a more normal groove last week with refiners showing no indications to revise prices. The white oils were offered more freely than they had been in several previous weeks. Although petrolatum was still fairly scarce, supplies were more available to industrial consumers. A pick-up was noted in the market for petroleum solvents and diluents. Rubber solvent was in heavy call from Akron tire makers. Crude scale paraffin was still tight.

The price for bunker C fuel oil was stabilized last week when one major company advanced the price to equal the quotation posted by other factors three weeks ago. Little oil was being offered at the higher price in the open market, however. Heating oils were in heavier demand and a coal strike in metropolitan New York may tend to give further strength to all grades. Lubricants remained scarce and strong, but gasoline markets continued to weaken. No crude oil prices were changed but the supply was considered tight. The Texas Railroad Commission voted to abandon Saturday and Sunday shutdown on February 1 and put all fields except East Texas on a straight seven-day production. East Texas will continue the five-day schedule.

Price Changes

Advanced

None

Reduced

Gasoline, Gulf Coast, ⅛c. per gal. natural, Okla., 18-55, ⅛c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Last week's trade was fairly well proportioned under buying support of makers of automobile finishes. Listed quotations were firm.

Cleaners' Naphtha. — Shipments were at a better level, with the price firm at 9c. to 10½c. per gallon, East Coast refineries.

Lacquer Diluent.—Movement to the trade continued light, but there were more inquiries from lacquer manufacturers regarding future deliveries. The price was steady at 9½c. to 10c. per gallon.

Petroleum Thinners.—Paint makers a bit more active. Orders were placed on the basis of 8¾c. to 9½c. per gallon for 43-47 material and 10½c. for 47-49.

Rubber Solvent. — Deliveries to Akron tire makers continued satisfactory to suppliers. The price was firm at 9½c. per gallon.

Stoddard Solvent. — The cleaning trade showed a bit more interest in offerings and the price was firm at 8¾c. to 9½c. per gallon.

V.M. & P. Naphtha.—A slightly better call from consumers, with the price firm at 6⅞c. to 7c. per gallon.

Markets at Other Centers

Chicago—Jan. 18

Petroleum diluents and solvents are holding their own in the market here. Suppliers continue to report a fair volume of business, indicating that buyers in various consuming industries are slightly opening up in their purchase policies after some retarding of buying toward the end of last year. Paint industry takings are fair for the season. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4¼c. to 4½c. per pound; cleaners' naphtha, 6⅞c. to 7c., tankcar; 18c., tank wagon; petroleum spirits, 5⅞c. to 6c., tankcar; 16.7c., tank wagon; lacquer diluent, 7⅞c. to 8c.; rubber solvent, 6⅞c. to 7c.; Stoddard solvent, 6⅜c. to 6½c., tankcar; 16.4c., tank wagon; v.m.&p. naphtha, 6⅞c. to 7c., tankcar; 17c., tank wagon.

New Orleans—Jan. 18

There was a slight pick-up in demand reported and there was also a better inquiry for the future noted. Ruling prices were:—

CLEANING SOLVENT.—Boiling range 225-350, gravity 53, presently quoted at 6¾c., delivered New Orleans in tankcars.

V.M.P. NAPHTHA.—Boiling range 175-425, gravity 48, presently quoted at 6½c., delivered New Orleans in tankcars.

Tulsa—Jan. 18

Some inquiries for rubber solvents appear to be the most active phase of the market. Cleaners' naphtha is also in slight demand but the remainder of the list is very quiet. Blending naphthas are soft at 4¼c. to 4½c. per gallon, with cleaners', rubber and v.m.p. each quoted at 6⅞c. to 7c., although some concessions are being made. Petroleum spirits are 5⅞c. to 6c. per gallon and Stoddard is 6⅜c. to 6½c. Lacquer diluent is 7⅞c. to 8c. per gallon.

Lighter Fractions

Butane.—Very strong and in heavy demand with offerings made at 2½c. to 3c. per gallon, basis Group 3.

Heptane.—Quoted at 11c. per gallon for car lots in drums.

Hexane.—There was a small pick-up in sales during the week. Normal grade was quoted at 12½c. per gallon for car lots in drums, and laboratory at 14c.

Octane.—Buying interest was still slack, but there was no change in the quoted price, which continued at 12½c. per gallon for car lots in drums, basis group 3.

Pentanes.—Car lots offered at 11½c. per gallon in drums.

Propane.—A heavy demand continued in the market and the price remained very strong at 3¾c. to 4c. per gallon, basis group 3.

Petrolatum and Waxes

White Mineral Oils.—The market seemed to have settled in a normal groove with the further appearance of available supplies. The tightness in evidence when supplies were scarce seemed to have disappeared. Prices were firm at 33c. to 47c. per gallon for the technical material, and 44½c. to 81c. for the medicinal. Russian oil was strictly nominal.

Petrolatum.—Similar to white oils, the market here also appeared more settled last week, although there was still scarcity reported. Demand, however, was no longer out of proportion to supplies, and material was being offered a bit more freely. All prices were firm.

Paraffin.—Crude scale white price remained strictly nominal. Material was still hard to obtain, and sales of small lots were reported at around 7c. per pound. Refined grades were in good demand and firm at unchanged prices.

Chicago—Jan. 18

Strong demand continues to be noted for refined petroleum wax. Buyers are taking virtually all of the various grades that are obtainable. Prices continue to hold readily at the best levels in many months. Stocks are reported strictly limited. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa—Jan. 18

Quotations on crude scale paraffin remain at 6⅞c. to 7c. per gallon for the 124-126 material but supplies for spot market are scarce. Refined grades are offered a bit more freely and are firm in price.

Fuels and Lubricants

Gasoline.—The local gasoline market was quiet and devoid of new features last week. Prices were unchanged at New York harbor, but were still showing signs of weakness.

Kerosene. — Demand continued to improve and prices were firmer than they had been in several previous

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Jan. 20	1939 Jan. 1-Jan. 20
Commercial crude oil production	71,203,024	67,950,034
	Week ended Jan. 20, 1940	Week Ended Jan. 21, 1939
Daily average production	3,570,938	3,232,732
	Week ended Jan. 13, 1940	Week Ended Jan. 6, 1940
Estimated motor fuuel stocks	84,326,000	82,002,000
Estimated finished motor fuel stocks	78,437,000	76,603,000

Outputs and Quotas

A comparison of Bureau of Mines calculations for January productions. State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended January 13 follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma	433,900	433,900	†417,900
Kansas	160,600	160,600	†167,500
Nebraska	.....	.....	†100
Texas	1,411,000	‡1,376,320	1,350,150
Louisiana	254,200	268,192	267,350
Arkansas	59,700	70,000	69,600
Mississippi	.....	.....	†2,950
Illinois	314,800	.....	337,400
Eastern	100,700	.....	101,450
Michigan	61,000	.....	65,400
Wyoming	58,700	.....	68,350
Montana	15,400	.....	17,400
Colorado	3,900	.....	4,000
New Mex.	101,900	101,900	109,150
California	593,900	§590,000	613,500
Totals	3,569,700	.....	3,592,200

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of January. As requirements may be supplied either from stocks, or from new productions contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Oklahoma, Kansas, Mississippi, Nebraska figures are for week ended 7 a. m. January 10.

‡ This is the net basic allowable as of January 1 and reflects ordered shutdowns for 13 days, namely, January 3, 6, 7, 10, 13, 14, 17, 20, 21, 24, 27, 28, and 31. Experience indicates that due to allowables granted above net scheduled exemptions and also because of new wells completed, the basic net allowable as of the first of the month is always subject to upward revision.

§Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Gasoline was reduced ⅛c. per gallon on the Gulf Coast.

	Jan. 19	Jan. 12	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.2095	$1.2095	$1.11
Gasoline prices at refineries (at four refining centers) per gallon	.0510770	.0513895	.0478125

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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previous weeks. Material was offered at 5.6c. per gallon at local refineries.

Gas and Fuel Oils.—One major company that had been posting $1.15 for bunker C fuel oil finally made the 35c. advance last week, and the price was stabilized at $1.50 per barrel. Little oil was being offered in the open market at this price. Heating oils were in heavy demand, and prices were very firm.

Lubricating Oils.—No further advances were made in Pennsylvania lubricants, and sales were made at the quoted prices. Offerings were limited, however, due to the extremely heavy call from both domestic and foreign sources.

Markets at Other Centers

Chicago—Jan. 18

A slightly steadier tone is noted in the refinery gasoline market. Gasoline demand is reduced. Heating oils continue in good demand. Prices are strong on these items. Heavy industrial fuels are in a firm market position. Lubricants hold strong, with active buying.

GASOLINE.—Low octane motor, 3⅞c. to 4¼c. per gallon; 63-66 octane motor, 4⅛c. to 4½c.; 67-69 octane motor, 4⅜c. to 4¾c.; 70-72, octane motor, regular, 4⅝c. to 5c.; 60-62, 400, 3⅞c. to 4¼c.; 64-66, 375, 4¼c. to 4½c.; 68-70, 360, 4¾c. to 5c.

KEROSENE.—42-44, water white, 3¾c. to 4c. per gallon; 41-43, water white, 3⅝c. to 3⅞c.

FURNACE OILS.—Range oil, 3⅛c. to 3⅞c. per gallon; No. 1 white, 3⅝c. to 3¾c.; No. 1 straw, 3⅛c. to 3⅝c.; No. 2 straw, 3⅜c. to 3½c.; No. 2 dark, 3¼c. to 3⅜c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans—Jan. 18

All grades of gasoline experienced a ⅛c. drop in domestic market prices during the past week. U. S. motor gasoline was quoted at 5⅜c.; 63-67 octane at 5¾c., and 70-72 octane at 6¼c., all prices being based on a per gallon rate at refinery.

Kerosene continued steady at a quoted price of 7¼c. per gallon at refinery.

Bunker C fuel oil was quoted at 90c. per barrel at terminal, and 95c. per barrel delivered alongside, while industrial plants in this vicinity continued to be quoted on this grade at $1.36 per barrel, delivered alongside.

Tulsa—Jan. 18

The light fuel oils are scarce in a number of the refining regions. Some refiners have even withdrawn from the spot market giving quotations more strength. Jobbers continue to bid, because of severity of climate, in anticipation of even greater demand than the 10 percent increase thus far recorded. Again this week heavy demands for fuel oil by the steel industry was one of the features of the market. There appears to be a weak tone in natural gasoline but, on the whole, the price situation in motor fuel, while not satisfactory, is steadier. Some refiners who previously had not reduced prices are yielding to current quotations, but in this movement there is no lower price being established.

GASOLINE.—Lowest octane below 62, U. S. Motor grade, 3c. to 4c. per gallon; 63-66 octane, 3¼c. to 4¼c.; 67-69, 3½c. to 4⅜c., and 70-72, 3⅝c. to 4¾c.

NATURAL GASOLINE.—The 26-70 grade is 2½c. per gallon in Oklahoma and 2⅜c. in Texas, while the 18-55 is 3c. in Oklahoma and 2¾c. in Texas.

KEROSENE.—The 41-43 grade, 3⅝c. to 4¼c. per gallon and 42-44 grade, 3¾c. to 4¼c.

FUEL OILS.—Residuals still quoted at 50c. to 70c. per barrel in group 3 and 18-22, 65c. to 80c. In Illinois, 18-22 grade is 77½c. to 82½c. The 22-28 is 80c. to 95c.

LUBRICANTS.—Bright stocks firm with the range remaining at 24c. to 28c. per gallon. Neutrals are also unchanged and firm with the range remaining at 13c. to 18½c.

Fertilizer Materials

Market Begins to Show Improvement in Lower South — Quiet Continues in Other Sections — Prices Easier —Ammonia Sulphate More Active

Encouraging reports from the lower South, where interest in fertilizers began to pick up last week, were the first signs of recovery in the raw materials market which had been quiet since mid-December. In other sections of the country, however, business remained dull. All price revisions were reductions, specifically, imported and high-grade ground blood, Japanese sardine meal, nitrogenous material and feeding tankage.

The market for sulphate of ammonia showed signs of improvement, although the South was the only section to report noteworthy gains. Demand was at a much better level in that section and shipments were noticeably heavier. Nitrate of soda was still moving slowly. With both German and French potash still on markets in this country, conditions were a bit less unsettled. Whether or not shipments from Europe will arrive regularly, however, was still problematical and potash producers in the United States were apparently of the opinion that imported material would be scarce in the future. One of the larger domestic companies will step up production at its California plant by adding about 120 new employees.

Nitrogenates

Castor Pomace.—Demand light but price firm at $17.50 per ton for car lots of the domestic and $20 for the imported.

Dried Blood. — General market easier. High-grade ground material reduced 20c. per unit to $2.65, f.o.b. Chicago. Imported, down 5c. per unit to $3.40. Shipments light.

Fish Scrap.—Japanese sardine meal lowered $1 per ton to $51 for contract and spot. Domestic products unchanged. Demand sluggish.

Manganese Sulphate.—Quiet. Fertilizer grade, $52 per ton for car lots and $59 to $62.75 for less car lots.

Nitrate of Soda.—Shipments on contract a bit heavier with price firm at $27 per ton for car lots.

Nitrogen Solution.—Unchanged at $1.22 per unit with demand a bit better.

Nitrogenous Material. — Interest slack and prices 15c. lower at $2 per unit, f.o.b. Midwest producing points and 10c. lower at $2.65 for the imported.

Sulphate of Ammonia.—A bit more interest was shown by the general consuming trade and shipments on contract were at a better level. Price was firm at $28 per ton.

Tankage.—Unground feeding material reduced 10c. per unit at New York to $3.50. High-grade feeding material was lowered 15c. per unit to $3.75, f.o.b. Chicago.

Urea.—Domestic material, firm at $95 per ton, f.o.b. plants.

Potashes

Cottonseed Hull Ash. — Steady at $1.10 per unit with demand light and shipments small.

Kainit.—Steady and unchanged at $12.25 per ton in bulk, ex vessel Atlantic or gulf ports. Demand a bit better than during previous period.

Manure Salts.—Domestic, firm at 58½c. per unit, c.i.f. ports and imported unchanged and in better demand at $17.55 per ton in bulk.

Muriate.—Domestic and imported both in better demand with the former at 53½c. per unit and the latter at $26.75 per ton.

Sulphate.—Imported, firm at $36.25 per ton in bags.

Phosphates

Bone Materials.—Raw, 4½c. and 50 percent material was easier, being quoted at $32 to $33 per ton, f.o.b. Chicago, compared with the previous price of $32 to $35. Steamed 3 and 50 material was firm at $32 per ton. Imported steamed, one and 65-70 percent product was quoted at $34 per ton, c.i.f. ports.

Phosphate Rock.—All grades firm in price but attracting little interest from mixers.

Price Changes

Advanced

None

Reduced

Blood, dom., high-grade grd., 20c. per unit, f.o.b. Chi.
Fish scrap, imp., 5c. per unit, c.i.f. ports, Japanese sardine meal, $1 per ton.
Nitrogenous material, dom., 15c. per unit, f.o.b. Midwest. Imp., 10c. per unit, c.i.f. ports.
Tankage, unground feeding, 10c. per unit, f.o.b. N. Y. high-grade feeding, 15c. per unit, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Superphosphate. — Market quiet, with price steady at $8.50 per ton for the run-of-pile material and $9 for the 16 percent product.

Sulphur and Pyrites

The movement of agricultural sulphur to consumers was a bit better last week, with the price firm at $16 per ton in bulk, f.o.b. mines. The pyrites market was still off with the Spanish product purely nominal.

Markets at Other Centers

Atlanta, Jan. 17

The holiday lull is reported to have passed and interest in fertilizer materials has started up again. Despite this nitrogenous material was reduced. Quotations on leading fertilizer materials in this market are as follows:—

SUPERPHOSPHATE.—52 cents per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade $32 per ton, Southeastern mills.

NITROGENOUS—$2 per unit, Midwestern producing points; foreign, $2.65, c.i.f.

BLOOD.—$3.65 per unit, Chicago; $3.40, ports, for foreign.

TANKAGE.—South American, $3.60 and 10c., port basis.

BONE.—Steam bone meal, 3 and 50, $32, basis Chicago.

Baltimore, Jan. 17

With weather conditions decidedly wintry, it was to be expected that the market for fertilizer materials would not develop notable activity. Current quotations are about as follows:—

FISH SCRAP.—Quiet prevails, but there are indications that a better demand is likely to develop in the next two or three weeks. Menhaden meal is at $59 per ton, f.o.b. Baltimore for January-February shipment. Japanese sardine meal is at $51 per ton for January shipment.

DRIED BLOOD.—This ammoniate is very quiet, with producers sold up and offers lighter at $3.45 per unit-ton, f.o.b. New York. South American supplies are

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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quoted at $3.45 per unit-ton, c.i.f., with buying interest slack.

BONE.—The market reflects the conditions that prevail in other items, with 3 and 50 ground steamed bone quoted at $32 per ton, f.o.b. Chicago.

SUPERPHOSPHATE.—Nominal quotations remain at $8.50 per ton for run-of-pile and $9 per ton for 16 percent milled and screened stocks.

Chicago, Jan. 17

Movement is reported fairly good in various grades of fertilizer materials. Organic items have been holding their own, but the market as a whole seems easier. Buyers have ordered blood moderately with prices lower than levels in effect for some time. Tankage orders for various items continue to be well maintained at lower prices. There is demand for bone materials, although it is reported purchasers as a class are exhibiting somewhat conservative tendencies.

BLOOD.—Principal grade, $3.65 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.75; hoof meal, $3 to $3.05; liquid stick, $2.50 to $2.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $32; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $40 to $45; cattle jaws, skulls and knuckles, $34 to $35; pork cracklings, soft pressed, $52.50 to $57.50; beef cracklings, soft pressed, $40 to $45; hard pressed cracklings, per unit of protein, 80c. to 85c.

San Francisco, Jan. 17

Fish meal continues to hold firm because of the currently decreasing production and the fair demand. The Monterey price was advanced. Tankage and blood were lower and weak. Otherwise, in chemicals, the market here is as slow as ever on new business, but sellers state the movement on contract is getting into good swing. Ruling prices are:—

SUPERPHOSPHATE. — Domestic, is quoted at 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at 85c. per unit. Foreign material nominal.

NITRATE OF SODA.—100-pound bags, $29 per ton, ex vessel or warehouse; 200-pound bags, $28.30 per ton ex vessel or warehouse.

AMMONIA PHOSPHATE. — Eleven percent N and 48 percent P.A. material is quoted at $54 per ton, ports, and $1 per ton extra for delivery inland. Sixteen and 20 percent material quoted at $43 per ton, ports, and $44 per ton for delivery inland.

FISH MEAL.—Strong. California sardine meal is quoted on the basis of $53.50 per ton, f.o.b. production points, San Francisco Bay and $52.50, Monterey.

TANKAGE. — Unground, fertilizer grade, wet rendered, domestic, is quoted on the basis of $3.40 and 10c. per unit-ton, nominally, f.o.b. cars, production source, northern California. Some sources reported selling cheaper. Dry rendered, ground, quoted at $47.50 per ton, f.o.b. cars, South San Francisco; unground, dry rendered, quoted at 75c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—Nominal. Quoted on the basis of $3.10 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—Bone meal, quoted at from $29 to $34 per ton, delivered Pacific Coast ports.

Brooklyn Varnish Establishes 25-Year Club for Employees

Employees of the Brooklyn Varnish Manufacturing Company, Inc., who have been with this well-known paint and varnish manufacturer for twenty-five years or more are automatically eligible to membership in their 25-Year Club.

This club was formed at the suggestion of the board of directors and gifts were made to each member at their annual party. The gift was $100 worth of B stock, which last year brought interest at 8 percent. The members who belong to this club now are:—William J. Anderson, 50 years; George Leaycraft, 40 years; Frank Elsinger, 31 years; Dean C. Anderson, 31 years; Frank G. Danielson, 26 years; James W. Wilson, 26 years.

Sharples Advances Keady

G. J. Keady has been appointed executive vice-president of the Sharples Specialty Company, centrifugal engineering firm, Philadelphia.

Armour & Co. of Illinois directorate has approved issuance of not to exceed $40,000,000 of first mortgage, fifteen-year 4 percent bonds, proceeds from which will be used to redeem the 7 percent cumulative preferred stock of Armour & Co. of Delaware.

SULPHUR Serves Progress

SULPHUR again contributed to the progress of science and industry during the year 1939, a year of continuing achievement in plant and laboratory.

The new alkylation process of the petroleum industry used sulphuric acid as a catalytic agent to re-form waste refinery gases into high octane aviation fuels. A chemical company supplying the kraft pulp industry in the South manufactured — from sulphur and a standard alkali—a new synthetic salt cake to match accomplishments of other domestic producers in assuring adequate supplies of a product formerly largely imported.

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Carpenter-Morton Marks 100 Years of Founding

The Carpenter-Morton Company, manufacturer of paint products, Boston, is observing the one-hundredth anniversary of the founding of the business in 1840 by Eleazer F. Pratt. Nine years later George O. Carpenter became associated with the concern, and in 1859 John D. Morton joined the company. Three years later the organization was incorporated with Mr. Morton as president.

John D. Morton

G. O. Carpenter

The current officers and directorate of the company are:—President Eugene E. Morton; vice-president, J. Dwight Morton; treasurer, A. Irving McLauthlin; assistant treasurer, Silvanus Smith; William E. Gilmour, Perley J. Roberts, and James B. Lord.

Eugene E. Morton, who succeeded his father as president of the company in 1931, is a grandson of the founder. His brother, J. Dwight Morton, is vice-president and manager of trade sales. A. Irving McLauthlin who was named treasurer in 1939,

Blank & Stoller Photo

Eugene E. Morton

joined the organization in 1885; William E. Gilmour, a member of the directorate, became associated with the company in 1883, and was elected treasurer in 1921. James B. Lord, another member of the board, became identified with the company in 1888 and was named president in 1916. Mr. Lord is currently president of the Boston Varnish Company.

The Carpenter-Morton Company maintains offices in 77 Sudbury street, Boston, with a plant in Everett and warehouses in Philadelphia, Long Island City, Buffalo, Detroit and Chicago.

Forster and Ely Advanced By Hercules Powder Co.

The Hercules Powder Company, Wilmington, has appointed A. E. Forster as assistant general manager of the explosives department. A. R. Ely has been named to succeed Mr. Forster as manager of the service division of the explosives department. Mr. Forster has been affiliated with the Hercules organization since 1925 and Mr. Ely joined the company in 1920.

Calcium Chloride Plant Proposed for Yugoslavia

The administration of the Yugoslav Solvay factory at Lukavac, Yugoslavia, is planning to build a factory for the production of calcium chloride as a by-product of its alkali plant, according to the American consulate, Belgrade, in advices to the Department of Commerce in Washington.

Bids Wanted

Acetylene Tetrachloride:—6,500 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 452, opening January 25.

Alcohol, Denatured:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 356, opening January 23.

Ethyl:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 356, opening January 23.

Aluminum, Flake:—3,700 pounds for Brooklyn; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 449, opening January 26.

Ammonia, Anhydrous:—7,200 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3866, opening January 29.

Chloride:—7,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 458, opening January 23.

Benzene:—17,861 gallons; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 938, opening January 31.

Calcium Carbide:—50,000 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3864, opening February 6.

Chemicals:—Supplies for Eastern and Western yards; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 455, opening January 30.

Chlorine:—65,000 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3866, opening January 29.

Containers:—1,000 of five gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 463, opening January 26.

Ferromanganese:—3,000 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3864, opening February 6.

Ferrosilicon:—20,000 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3864, opening February 6.

Lead, Red:—214,425 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 414, opening January 26.

White:—500,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 414, opening January 26.

Metal Polish:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 427, opening January 27.

Naphthalene, Flake:—20,000 pounds; Quartermaster Depot, Twenty-first and Jackson streets, Philadelphia; procurement 669-220, opening February 1.

Paint, Hydroxide:—4,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; procurement 1074, opening January 23.

Materials:—Supplies of; U. S. Engineer Office, N. Y. District, Army building; procurement 184, opening January 30.

Soap, Laundry:—350,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-130, opening January 30.

Powder:—3,500 pounds; Assistant Director, Bureau of Prisons, Department of Justice, Washington; procurement 2182, opening January 24.

Salt Water:—661,800 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 431, opening January 30.

9,500 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3859, opening January 30.

Toilet:—15,000 pounds; Purchasing Agent, Post Office Department, Washington; procurement 1915, opening January 24.

Scouring Compound:—17,200 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 430, opening January 30.

3,600 pounds; Assistant Director Bureau of Prisons, Department of Justice, Washington; procurement 2182, opening January 24.

Soda, Caustic:—93,550 pounds for Eastern and Western yards; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 412, opening January 26.

31,700 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-204, opening January 26.

Laundry:—7,200 pounds; Assistant Director, Bureau of Prisons, Department of Justice, Washington; procurement 2182, opening January 24.

7,500 pounds; General Purchasing Agent, Panama Canal, Washington; schedule 3859, opening January 30.

Orthosilicate:—50,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 571, opening January 23.

Phosphate:—1,950 pounds; Assistant Director, Bureau of Prisons, Department of Justice, Washington; procurement 2182, opening January 24.

Soap Powder:—Supplies of; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 432, opening January 30.

Contracts Awarded

Asphalt:—20,000 pounds; awarded to the American Bitumuls Company, Baltimore, Edgewood Arsenal, Md.; at 1.033c. per pound; procurement 316, opening December 1.

Drawing Compound:—3,000 pounds; awarded to Charles W. Young & Co., Philadelphia, Pa., by the Frankford Arsenal, Pa., at 6c. per pound; procurement 950, opening December 29.

Cream of Tartar:—3,000 pounds; awarded to the Harshaw Chemical Company, Philadelphia, by the Frankford Arsenal, Pa., at 26c. per pound; procurement 898, opening December 27.

Tetryl:—200,000 pounds; awarded to E. I. duPont de Nemours & Co., Wilmington, by the Picatinny Arsenal, N. J., at 65c. per pound, f.o.b. Gibbstown, N. J.; procurement 863, opening December 21.

Tin:—1,000,000 pounds; awarded to C. S. Trench & Co., New York, by the Procurement Division, Treasury Department, Washington, at 45.96 cents per pound, opening January 10.

Shipping Information

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ALUMINUM FOIL—47 cs, F P Haskell & Co, Swiss
129 cs, Brown Bros Harrimann Co, Swiss
125 cs, Rohner, Gehrig & Co, Swiss

AMMONIA SULPHATE—750 bgs, Industrial Sales Corp, Antwerp

ANISE—80 bgs, Peek & Velsor, Marseilles

ARECA NUTS—56 bgs, Catz American Co, Padang

ARSENIC, WHITE, POWD—300 dms, Industrial Sales Corp, Antwerp

ASBESTOS—15 bgs, Karr, Ellis & Co, Genoa
91 bgs, Crane Packing Co, Genoa

BALSAM—45 cs, 4 dms, Dodge & Olcott Co, Balboa
20 cs, C E Griffin & Co, Balboa
9 cs, R D Heins, Balboa

BARK SIFTINGS—124 bgs, Munargo Line, Nassau

BARYTES—1,000 bgs, Whittaker, Clark & Daniels, Venice
1,361 bgs, Smith Chemical & Color Co, Venice

BELLADONNA LEAVES—24 bls, Kachurin Drug Co, Fiume

BITTERSWEET TWIGS—1 bl, J L Hopkins & Co, Trieste

BRISTLES—20 cs, Public Natl Bank Trust Co, Shanghai
25 cs, Chase Natl Bank, Shanghai
36 cs, Shanghai
10 cs, Goldman, Sachs & Co, Shanghai
85 cs, Mitsui & Co, Dairen
55 cs, Mitsubishi-Shoji-Kaisha, Tientsin
52 cs, Corn Exchange Bank Trust Co, Dairen

BURDOCK ROOT—20 bls, Peek & Velsor, Antwerp

CALCIUM METALLIC—23 cs, Charles Hardy, Marseilles

CAMPHOR, CRUDE—756 cs, Mitsui & Co, Keelung
REFINED—200 cs, Mitsui & Co, Kobe
230 cs, McKesson & Robbins, Kobe

CANTHARIDES—4 cs, S B Penick & Co, Trieste

CARAWAY SEED—25 bgs, Joel Bieler Export & Import Co, Rotterdam
70 bgs, Manufacturers Trust Co, Rotterdam
100 bgs, Irving Trust Co, Rotterdam
80 bgs, Biddle Purchasing Co, Rotterdam
84 bgs, R L Friedler, Rotterdam

CAROB BEANS—20 bgs, W M Allison & Co, Piraeus

CASSIA—116 bls, H P Winter & Co, Tandjong Priok
222 bls, Van Berlage Co, Padang
175 bls, H P Winter & Co, Padang
100 bls, Wah Chang Trading Corp, Hongkong

FISTULA—25 bls, Hersch Van Sicien, Macassar

CASTOR BEANS—84 bgs, Gillespie & Co, Port Prince

CELERY SEED—40 bgs, Dyson Shipping Co, Marseilles

CHARCOAL, COCONUT SHELL—1,126 bgs, General Food Sales Co, Manila

CHEMICALS—2 cs, Rohner, Gehrig & Co, Genoa
7 cs, W C Sullivan, Trieste
4 cs, Gane & Ingram, Genoa
12 cs, United Fruit Co, Genoa
17 cs, 12 cks, 4 dms, New York & Cuba Mail S S Co, Genoa
11 pkgs, Allondon Bayonne Co, Swiss
17 cs, Firmenrich & Co, Swiss
1 cs, Gane & Ingram, Swiss
13 cyls, Sandoz Chem Works, Swiss
11 cs, E Fougera & Co, Bordeaux
5 cs, E I du Pont de Nemours Co, Rotterdam
25 kegs, Philip Bauer Co, Rotterdam
19 cs, Ratin Laboratory, Rotterdam
6 cs, W C Sullivan & Co, Trieste

CHILLIES—455 bgs, Soc d'Advance Commercial, Trieste
260 bgs, Societe d'Advance Commercial, Trieste

CHROME ORE—9,000 tons, Martin Dennis Co, Lourenco, Marquese

CINCHONA PRODUCTS—120 dms, 50 cs, R W Greeff & Co, Rotterdam
120 dms, Transatlantic Animal By-Product Corp, Rotterdam

CLOVES—64 bgs, O G Innes Corp, Macassar

COBALT, OXIDE—35 cks, Central Trading Corp, Antwerp

COCOA BEANS—470 bgs, W R Grace & Co, Puerto Cabello
250 bgs, Bank of Manhattan, Guayaquil
250 bgs, W R Grace & Co, Guayaquil
250 bgs, Wessel, Duval & Co, Guayaquil
250 bgs, Guayaquil
1,500 bgs, Israel Commodity Corp, Takoradi
355 bgs, Standard Bank South Africa, Takoradi
310 bgs, Banque Canadienne Nat'l, Takoradi
4,782 bgs, Rockwood & Co, Takoradi
190 bgs, Fuerst Bros, Takoradi
300 bgs, Peter Cailler & Co, Takoradi
2,464 bgs, Bank of London-South America, Takoradi
499 bgs, Golodetz & Co, Cape Coast
568 bgs, Winnebah
800 bgs, Snyder-Wheeler, Winnebah
5,568 bgs, Rockwood & Co, Accra
2,500 bgs, Fuerst Bros, Accra
800 bgs, Wessels, Kulenkampf & Co, Accra
860 bgs, Gillespie & Co, Accra
754 bgs, W & A Leaman, Accra
1,600 bgs, W R Grace & Co, Accra
1,402 bgs, Superintendence Co, Apapa
235 bgs, Rockwood & Co, Apapa
3,454 bgs, Superintendence Co, Apapa
347 bgs, Nieschlag & Co, Apapa
697 bgs, Bank of British West Africa, Apapa
186 bgs, Tropics Foods, Cristobal
1,063 bgs, Funch, Edye & Co, Campano
300 bgs, Banco de Venezuela, Campano
250 bgs, Antonio & Co, Campano
300 bgs, Rio Caribe, Campano
750 bgs, Bank of Manhattan, Trinidad
250 bgs, Port de Paix
156 bgs, W & A Leaman, Jeremie
138 bgs, Struller & Wood, Jeremie
147 bgs, Schutte & Focke, Jeremie

COCONUT, DESIC—2,290 bgs, General Foods Sales Co, Manila
988 bgs, Hongkong-Shanghai Corp, Manila
281 pkgs, Cooperative Coconut Prod, Manila

COCONUTS—328 bgs, J A Manton, Kingston
133 bgs, General Food Corp, Kingston
300 bgs, I L Toledano Corp, Cristobal

COPAIBA BALSAM—10 cs, Fritzsche Bros, Cristobal

COPPER ACETATE—20 dms, C L Huisking & Co, Marseilles

COPPERAS—70 bgs, Nederlandsche Handel Mij, Sourabaya

CORIANDER SEED—1,100 bgs, Kachurin Drug Co, Casablanca

CORK—19 bls, Hinrichs & Pearsall, Lisbon
COMPOUND—410 ctns, Atlantic Freighting Corp, Marseilles
PLANK—150 bls, H Suhl, Algiers
274 bls, Wicander & Co, Algiers
SHAVINGS—277 bls, D E Kennedy, Lisbon
VIRGIN—1,428 bls, Intermundo S A, Casablanca
WASTE—1,650 bls, Crown Cork & Seal Co, Lisbon
187 bls, H Suhl, Algiers
WOOD—300 bls, A & P Mfg Co, Lisbon

CUMIN SEED—80 bgs, Albert Abecassis & Myles Abelson, Casablanca
375 bgs, American Hawaiian S S Co, Casablanca

DERRIS ROOT—28 cs, J F Frank, Tandjong Priok
70 bls, Bank of New York Trust Co, Singapore
70 bls, Marine Midland Trust Co, Singapore
87 bls, S B Penick & Co, Singapore
10 bls, Singapore

DRAGONS BLOOD—27 cs, Paul A Hunt & Co, Singapore

DRUGS—3 cs, Phoenix Shipping Co, Rotterdam

DYES, ANILIN—130 bbls, Ciba Co, Genoa
19 bbls, 4 cns, Gondrand Shipping Co, Genoa
42 cks, Geigy Co, Swiss
81 cyls, Sandoz Chem Works, Swiss
52 bbls, Gondrand Shipping Co, Genoa
134 bbls, Ciba Co, Genoa
76 pkgs, 62 dms, 2 cs, Ciba Co, Genoa
51 pkgs, Gondrand Shipping Co, Genoa
48 bbls, Geigy Co, Genoa

DYEING MATERIAL—111 bgs, 15 pkgs, Gondrand Shipping Co, Genoa
16 pkgs, Ciba Co, Genoa

EGG YOLK, HEN—56 cs, Chase Natl Bank, Shanghai

ERGOT—3 cs, Brown Bros Harrimann Co, Trieste
7 cs, Irving Trust Co, Trieste

FENNEL SEED—60 bgs, Peek & Velsor, Bombay
100 bgs, Brown Bros Harrimann Co, Trieste
60 bgs, Irving Trust Co, Trieste
12 bgs, Salvatore Scozzaro, Palermo

FENUGREEK SEED—225 bgs, H S Head, Casablanca

FILTER, PULP—50 bls, A Gusmer, Antwerp

FLAXSEED—7,486 tons, 290,440 bus, L Dreyfus & Co, Buenos Aires
993,031 kilos, 39,721 bus, Buenos Aires

FLEASEED—13 bgs, H S Head, Marseilles

GAMBIER—260 cs, I Harrison & Whitney, Belawan Deli
427 bgs, Hammond & Carpenter, Singapore

GELATIN, POWDERED — 20 bls, American Union Transport Co, Bordeaux
53 bbls, International Selling Corp, Antwerp
235 pkgs, International Selling Corp, Antwerp
SHEET—25 cs, International Selling Corp, Antwerp

GLASS, PLATE—32 cs, Brown Bros-Harrimann Co, Antwerp
WINDOW—24 cs, Greater New York Glass Co, Antwerp
800 cs, Lambert Mirror Works, Antwerp
35 cs, J H Werbelowsky Sons, Antwerp
32 cs, Antwerp
140 cs, New York & Cuba Mail S S Co, Antwerp
27 cs, J Robin & Son, Venice
2 cs, Schrenk & Co, Venice

GLUE—2 cs, Rohner, Gehrig & Co, Swiss
POWDERED—150 dms, Rex & Reynolds, Marseilles
100 bgs, Rex & Reynolds, Marseilles
SHEET—120 bgs, Rex & Reynolds, Marseilles
WHEAT—20 bls, Lo Presti, Trieste

GRAPHITE—750 bgs, Asbury Graphite Mills, Belawan Deli
AMORPHOUS—500 bgs, J Dixon Crucible Co, Genoa
2,000 bgs, Asbury Graphite Mills, Shanghai
CHIPS—500 bgs, Syndicate Lyonnais de Madegascar, Belawan Deli

GUM—60 cs, 67 bgs, R D Heins, Trieste
8 bgs, E Meer & Co, Trieste
68 pkgs, S B Penick & Co, Trieste
ARABIC—500 bgs, Barclay Bank, Trieste
150 bgs, Manufacturers Trust Co, Trieste
25 bgs, National City Bank, Trieste
600 bgs, Frank Vliet Co, Port Sudan

BENZOIN—190 cs, Belawan Deli
50 cs, J L Hopkins & Co, Padang

CHICLE—103 bgs, Chicle Development Co, Kingston

COPAL—200 bgs, Stroock & Wittenberg, Antwerp
110 bgs, S Winterbourne, Antwerp
140 bgs, American Cyanamid & Chem Co, Antwerp
100 bgs, Stroock & Wittenberg, Antwerp
100 bgs, France, Campbell & Darling, Antwerp
135 baskets, 185 bgs, O G Innes Corp, Macassar
303 baskets, France, Campbell & Darling, Macassar
355 baskets, S Winterbourne & Co, Macassar
77 baskets, G W S Patterson & Co, Macassar
232 baskets, Far Eastern Representative, Macassar
281 baskets, Stroock & Wittenberg, Macassar
70 bgs, Stroock & Wittenberg, Singapore

GUM, DAMMAR—100 cs, Sino Java Hvg, Tangjong Priok
1 cs, H P Winter & Co, Tandjong Priok
100 cs, National City Bank, Batavia
100 cs, G W S Patterson & Co, Padang
100 cs, Sino Java Hvg, Padang
64 bgs, American Cyanamid & Chem Co, Macassar
170 bgs, Thurston & Braidich, Macassar
144 cs, O G Innes Corp, Batavia
210 bgs, Stroock & Wittenberg, Singapore
210 bgs, W H Scheel, Singapore
105 bgs, O G Innes Corp, Singapore

INSOLUBLE—300 bgs, E Meer & Co, Bombay

KARAYA—267 bgs, Frank Vliet Co, Bombay
133 bgs, Innis, Speiden & Co, Bombay
88 bgs, Orbis Product Corp, Bombay
401 bgs, Jacques Wolf & Co, Bombay

LOCUST BEAN—100 bgs, Innis, Speiden & Co, Bougie
45 bgs, Brown Bros-Harrimann Co, Bougie
35 bgs, S B Penick & Co, Bougie
50 bgs, Innis, Speiden & Co, Genoa
90 bgs, J E Bernard & Co, Genoa

NISPERA—4 bls, 8 bgs, Chicle Development Co, Balboa

PENDARE—178 bgs, Chicle Development Co, Ciudad Bolivar

PERILLA—18 bls, Chicle Development Co, Chile

TRAGACANTH—766 bgs, E Meer & Co, Bombay
550 bgs, E Meer & Co, Bandar Abbas
12 cs, Sasson E Kashi, Beyrouth
187 bgs, E Meer & Co, Beyrouth

HENBANE LEAVES—12 bls, S B Penick & Co, Trieste
11 bls, Irving Trust Co, Trieste

HENNA LEAVES—60 bls, J L Hopkins & Co, Alexandria
225 bls, S B Penick & Co, Patras
198 bls, R D Heins, Trieste

HERBS, MEDICINAL—16 bls, S B Penick & Co, Antwerp

HEXAMETHYLENE—75 cks, H J Baker & Bros, Antwerp

HOPS—15 bls, Bode & Voigt, Trieste
10 bls, Brooklyn Trust Co, Trieste
21 bls, F Bing, Trieste
30 bls, Heemsoth-Kerner Corp, Trieste
20 bls, Manufacturers Trust Co, Trieste
10 bls, R F Downing & Co, Trieste

IPECAC ROOT—4 bgs, R D Heins, Balboa

IRON, OXIDE—200 bbls, C J Osborn & Co, Malaga
POWDER—4 cks, American Union Transport Co, Trieste

LARKSPUR SEED—17 bgs, S B Penick & Co, Marseilles

LAVENDER FLOWERS—50 bls, S B Penick & Co, Marseilles
57 bls, P H Petry & Co, Marseilles
2 bls, H S Head, Marseilles

LEAD, WROUGHT—19 cs, Radium Chem Co, Antwerp

LEAVES, MEDICINAL—50 bls, S B Penick & Co, Marseilles

LICORICE ROOT—26 bls, Peek & Velsor, Port Said

LINDEN FLOWERS—3 bls, J L Hopkins & Co, Trieste
4 bls, J L Hopkins & Co, Trieste
90 bls, Kachurin Drug Co, Fiume

MACE—18 cs, W E Martin, Macassar
72 cs, B H Old & Co, Macassar
32 cs, Knickerbocker Mills Co, Tandjong Priok
32 cs, Jacobus F Frank, Batavia

MALEFERN ROOT—113 bls, Kachurin Drug Co, Trieste

MANGANESE—27 dms, Anglo American Metal Co, Marseilles
ORE—500 tons, Chase Natl Bank, Manila

MANGANESITE—36 cs, New York & Cuba Mail S S Co, Genoa

MANGROVE BARK, EXTRACT—3,500 bgs, Saxe Cutch Corp, Singapore

MARSHMALLOW ROOT—5 bls, J L Hopkins & Co, Trieste

MEDICINAL PREPS—7 cs, E Fougera & Co, Marseilles

MENTHOL—20 cs, Dodge & Olcott Co, Shanghai

MILLET SEED—25 bgs, F H Van Damm, Trieste
30 bgs, G T German, Trieste

MISTLETOE HERBS—5 bls, J L Hopkins & Co, Trieste

NAPHTHALENE—1,000 bgs, Antwerp

NUTMEGS—144 bgs, 543 cs, Catz American Co, Macassar
100 bgs, Corn Exchange Bank Trust Co, Tandjong Priok
318 bgs, Geo Lueders & Co, Padang
200 bgs, Van Berlage Co, Padang
36 bgs, Chase Natl Bank, Padang
206 bgs, H P Winter & Co, Padang
254 bgs, J F Frank, Batavia

OCHER—190 bgs, Casablanca
130 cks, J A McNulty, Marseilles
870 bgs, J Lee Smith & Co, Marseilles
435 bgs, Stanley Doggett, Marseilles
870 bgs, J Lee Smith & Co, Marseilles

OIL, ANISE—10 dms, Dodge & Olcott Co, Hongkong
CARAWAY—2 dms, Fritzsche Bros, Marseilles
CHINAWOOD—13 dms, F B Ross & Co, Singapore
CITRONELLA—20 dms, E De Witt Osborn Co, Colombo
2 dms, Bank of Manhattan, Sourabaya
20 dms, Catz American Co, Batavia
24 dms, Batavia
2 dms, Sino Java Hvg, Padang
COCONUT—500 tons, Colgate-Palmolive-Peet Co, Manila
430 tons, Pacific Vegetable Oil Corp, Cebu
CORN—418 dms, Corn Product Refg Co, Shanghai
CRUDE—10 dms, Socony Vacuum Oil Co, Haifa
ESSENTIAL—14 pkgs, Marseilles
23 dms, Puerto Barrios
11 cs, 34 pkgs, Marseilles
GERANIUM—5 dms, Chase Natl Bank, Marseilles
2 dms, 2 tins, Central Hanover Bank Trust Co, Marseilles
JASMINE—2 cs, Fritzsche Bros, Marseilles
KAPOKSEED—536 tons, Sourabaya
LAVENDER—1 dm, Fritzsche Bros, Marseilles
LEMON—8 cs, Manufacturers Trust Co, Palermo
50 cs, Magnus, Mabee & Reynard, Messina
100 cs, Dodge & Olcott Co, Messina

OIL—50 qtr cs, Magnus, Mabee & Reynard, Messina
66 qtr cs, Paolo Martino, Messina
25 cs, E & J Burke, Palermo
MANDARIN—12 cs, Manufacturers Trust Co, Palermo
MUSTARD SEED—100 dms, Mitsubishi-Shoji-Kaisha, Tientsin
OLIVE—25 cs, Marseilles
10 dms, Bank of Athens, Patras
85 bbls, National Bank of Greece, Patras
13 cks, American Shipping Co, Palermo
25 cks, Palermo
10 cks, Gaspare Merendine, Palermo
21 cs, 16 pkgs, Palermo
28 cks, Inter Maritime Forwarding Co, Palermo
8 cks, Dato Bartolomeo, Palermo
24 cs, Palermo
100 cs, Genoa
100 cs, Leghorn
20 dms, P Lantzounis, Piraeus
100 dms, Bouredoure Bros, Piraeus
725 dms, Leghorn Trading Co, Piraeus
100 dms, I L Toledano Corp, Piraeus
25 dms, De Simone Bros, Piraeus
25 dms, Schroeder Bros, Piraeus
50 dms, Comm'l Bank of Greece, Piraeus
200 dms, Strohmeyer & Arpe Co, Piraeus
40 dms, Charles Albert Smith, Piraeus
50 dms, 100 cs, Piraeus
21 cs, Naples
200 dms, Old Monk Olive Oil Co, Marseilles
261 dms, Smith Weihman & Co, Marseilles
45 cs, Palermo
49 cs, Palermo
ORANGE—8 dms, Chase Natl Bank, Takoradi
11 dms, New York Trust Co, Takoradi
6 dms, Manufacturers Trust Co, Takoradi
3 dms, Royal Bank of Canada, Takoradi
6 dms, Bank of Manhattan Co, Takoradi
PALM—493 tons, Balfour, Guthrie & Co, Belawan Deli
995 tons, Banque Belge Pour l'Etranger, Belawan Deli
RAPESEED—643,451 lbs, Mitsubishi-Shoji-Kaisha, Osaka
199 tons, Kobe
218 tons, Yokohama
SAGE—21 cs, L A Champon, Trieste
SOYBEAN—300 tons, Whittaker, Clark & Daniels, Shanghai
TEASEED—60 dms, Bank of California Natl Assn, Hongkong

ORANGE FLOWER, WATER—25 cs, Prost & Celanan, Marseilles

ORRISROOT—90 bgs, Irving Trust Co, Trieste

PAINT—1 cs, E H Friedrichs, Antwerp

PALMKERNELS—1,355 bgs, J H Redding, Belawan Deli

PAPAIN—433 cs, American Ferment Co, Colombo

PAPRIKA—50 bgs, J H Forbes & Co, Trieste
55 bgs, Central Hanover Bank Trust Co, Trieste
45 bgs, 14 cs, Martel Food Corp, Trieste
300 bgs, Atlantic & Pacific Tea Co, Seville
200 bgs, Knickerbocker Mills Co, Trieste
200 bgs, Continental Spice Co, Trieste

PARAFFIN—12,400 bgs, Asiatic Petroleum Corp, Balik Papan

PATCHOULI LEAVES—9 bls, Peek & Velsor, Macassar

PEONY ROOT—5 bls, Peek & Velsor, Trieste

PEPPER, WHITE—81 bgs, Catz American Co, Tandjong Priok

PERFUME, SYN—8 cks, 7 cs, Givaudan Delawanna, Genoa

PIMENTO—200 bgs, Barclay Bank, Kingston
70 bgs, J A Manton, Kingston
63 bgs, United Fruit Co, Kingston

PITCH, COTTONSEED — 215 bbls, Allied Asphalt & Mineral Corp, Alexandria

POPPYSEED—300 bgs, Superintendence Co, Trieste
200 bgs, Biddle Purchasing Co, Rotterdam
65 bgs, Joel Bieler Export & Import Co, Rotterdam
150 bgs, Martin Witsenburg, Rotterdam
135 bgs, Biddle Purchasing Co, Rotterdam

POTASH, MURIATE—2,598 tons, Marseilles
PERMANGANATE—100 dms, H H Rosenthal Co, Osaka

PUMICE—1,065 bgs, C B Chrystal & Co, Canneto
328 bgs, Whittaker, Clark & Daniels, Canneto
850 bgs, J H Rhodes & Co, Canneto
LUMP—100 bgs, C B Chrystal & Co, Canneto
2,100 bgs, J H Rhodes & Co, Canneto
300 tons, J H Rhodes & Co, Canneto

PYRETHRUM FLOWERS — 25 bls, Chase National Bank, Otaru
27 bls, J L Hopkins & Co, Dubrovnik

QUINCE SEED—26 bls, D Aboody, Beyrouth
9 bls, Nawi Noonoo & Co, Beyrouth
7 bls, David Aboudi, Beyrouth

RADIUM—1 cs, Radium Chem Co, Antwerp

RESIN, TONKA BEANS—2 cs, Chase National Bank, Marseilles

ROOT, MEDICINAL—5 bls, Peek & Velsor, Trieste

ROSE BUDS—40 bgs, A D Isbetcherian, Beyrouth

ROSE FLOWER WATER—10 cs, J N Germack, Beyrouth

SAGE LEAVES — 10 bls, Public National Bank, Trieste
50 cs, E C Peta Co, Piraeus

SAGO FLOUR—365 bgs, Rutger, Bleecker & Co, Singapore
370 bgs, Rutger, Bleecker & Co, Singapore
38 bgs, Singapore

SALT—1,500 tons, Alfred Long, Inagua

SANDALWOOD—100 bgs, Murphy & Reese, Colombo

SARSAPARILLA ROOT—9 bls, Havana

SENNA LEAVES—175 bls, S B Penick & Co, Colombo
200 bls, P E Anderson & Co, Colombo
35 bls, R D Heins, Colombo
PODS—20 bls, R J Prentiss & Co, Colombo

SESAME EXTRACT — 50 dms, Damascus Trading Co, Beyrouth
SEED — 700 bgs, Brown Bros-Harrimann Co, Trieste
60 bgs, Bank of New York Trust Co, Shanghai

SHELLAC—1,000 bgs, E E Androvette, Calcutta
SEEDLAC—200 bgs, E E Androvette, Calcutta

SIENNA—100 bgs, Reichard Coulston, Leghorn
15 bbls, Whittaker, Clark & Daniels, Leghorn

SILVER SULPHIDE—111 bgs, J H Schroeder Banking Corp, Peru
SOAP—1,585 cs, Conti Prod Corp, Leghorn
SODA URANATE, YELLOW—100 cks, Central Trading Corp, Antwerp
URANATE, YELLOW & URANIUM OXIDE—200 cks, Central Trading Corp, Antwerp
SPONGES—5 bls, American Sponge & Chamois Co, Nassau
12 bls, J H Rhodes & Co, Nassau
31 bls, Nassau
REFUSE—12 bls, American Trading Corp, Nassau
7 bls, Nassau
SQUILL—28 bgs, Irving Trust Co, Trieste
28 bgs, National City Bank, Trieste
RED—117 bgs, 17 bls, J L Hopkins & Co, Marseilles
STARCH, POTATO—500 bgs, Corn Product Refg Co, Rotterdam
STEATITE—13 bbls, Caldwell & Co, Leghorn
SUMAC—350 bgs, E E Androvette, Palermo
350 bgs, Guaranty Trust Co, Palermo
TALC—5,200 bgs, Charles Mathieu, Genoa
100 bgs, Charles Mathieu, Leghorn
2,000 bgs, Coty Product Corp, Bordeaux
4,000 bgs, Whittaker, Clark & Daniels, Shanghai
4,000 bgs, C B Chrystal & Co, Shanghai
900 bgs, Chase Natl Bank, Shanghai
TAPIOCA FLAKE—556 bgs, Stein, Hall & Co, Sourabaya
FLOUR—5,975 bgs, Stein, Hall & Co, Sourabaya
494 bgs, Cheribon
3 bgs, Sino Java Hvg, Cheribon
250 bgs, Bank of Manhattan, Cheribon
500 bgs, Chase Natl Bank, Cheribon
1,000 bgs, Cheribon
250 bgs, Bank of Manhattan, Batavia
1,000 bgs, Batavia
2,680 bgs, Stein, Hall & Co, Tjilatjap
1,000 bgs, Tjilatjap
2,824 bgs, 2 pkgs, Sino Java Hvg, Tjilatjap
6,064 bgs, Arabol Mfg Co, Pasoeroean
5,789 bgs, Pasoeroean
550 bgs, American Cyanamid & Chem Co, Cheribon
500 bgs, Chase Natl Bank, Cheribon
500 bgs, American Cyanamid & Chem Co, Batavia
10 bgs, Stein, Hall & Co, Singapore
PEARL—125 bgs, Batavia
SEED—100 bgs, Batavia
TARTAR—103 bgs, Herrich Voigt Chem Co, Marseilles
800 bgs, Chase National Bank, Palermo
270 bgs, Lisbon
THYME LEAVES—25 bls, Knickerbocker Mills Co, Marseilles
TUBA ROOT—172 bls, Hammond Paint & Chem Co, Singapore
50 bls, Cooperative Holding Corp, Singapore
48 bls, S B Penick & Co, Singapore
VALONIA—1,195 bgs, Barkey Import Co, Izmir
VANILLA BEANS—21 cs, Dammann & Smeltzer, Marseilles
21 cs, Thurston & Braidich, Marseilles
21 cs, Dodge & Olcott Co, Marseilles
19 cs, Geo Lueders & Co, Marseilles
11 cs, National City Bank, Cristobal
108 cs, P H Petry & Co, Cristobal
27 cs, Dodge & Olcott Co, Marseilles
85 cs, Lo Curto & Funk, Marseilles
20 cs, Dammann & Smeltzer, Marseilles
20 cs, Dodge & Olcott Co, Marseilles
WALNUT LEAVES—7 bls, Peek & Velsor, Trieste
WAX, BEES—52 bgs, Santiago
327 blocks, Superintendence Corp, Takoradi
189 pkgs, Lisbon
14 bgs, 97 blocks, W M Allison & Co, Trieste
CERESIN—432 bgs, Asiatic Petroleum Corp, Sourabaya
OZOKERITE—168 bgs, Strohmeyer & Arpe Co, Trieste
25 bgs, Brooklyn Trust Co, Trieste
17 bgs, Innis, Speiden & Co, Trieste
84 bgs, Strohmeyer & Arpe Co, Trieste
REFINED—5 cs, Vacuum Oil Co, Tandjong Priok
VEGETABLE—100 cs, Innis, Speiden & Co, Shanghai
100 cs, Mitsubishi-Shoji-Kaisha, Shanghai
WHITING—10,000 bgs, Nicholas H Weitzner, Antwerp
1,000 bgs, Nicholas H Weitzner, Antwerp

New York Transit Imports

CALCIUM TARTRATE—341 bgs, American Hawaiian S S Co, Bordeaux, San Francisco
CORIANDER SEED—100 bgs, H J Mayer & Son, Casablanca, Chicago
CORK—800 bxs, Ontario Cork Co, Algiers, Toronto
ERGOT—15 cs, Eli Lilly & Co, Lisbon, Indianapolis
LAVENDER FLOWERS—5 bgs, Allaire, Woodward & Co, Marseilles, Peoria
OIL, PERILLA—19 dms, International Printing Ink Corp, Shanghai, Chicago
ORANGE PEEL—20 pkgs, Parke, Davis & Co, Port Prince, Detroit
PAPRIKA—50 bgs, Frank Tea & Spice Co, Trieste, Cincinnati
100 bgs, D G Evans Coffee Co, Trieste, St Louis
100 bgs, R T French Co, Trieste, Rochester
POPPYSEED—50 bgs, Hirsch Bros, Rotterdam, Chicago
SPONGES, REFUSE—15 bls, Nassau, Melbourne
TARTAR—125 bgs, American Hawaiian S S Co, Bordeaux, San Francisco
VANILLA BEANS—19 cs, Philadelphia Natl Bank, Marseilles, Philadelphia
20 cs, M Cortizas & Co, Marseilles, Philadelphia

CLEANING MILLING
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Boston Imports

CASSIA, VERA—135 pkgs, Jacobus F Frank, Batavia
MEAKIN MEAL—2,000 bgs, Hollinghurst & Co, Kobe
3,000 bgs, Kobe
OIL, COCONUT—500 tons, Colgate-Palmolive-Peet Co, Manila
TAPIOCA FLOUR—7,645 bgs, Stein, Hall & Co, Sourabaya
500 bgs, H P Winter & Co, Cheribon
1,600 bgs, Cheribon
2,180 bgs, Stein, Hall & Co, Tjilatjap

Charleston Imports

SALT—1,200 tons, Alfred Long, Inagua
TAPIOCA FLOUR—500 bgs, Cheribon
750 bgs, Frederick Richards, Cheribon
1,304 bgs, Frederick Richards, Batavia
WAX, VEGETABLE—50 cs, Innis, Speiden & Co, Mozi
100 cs, Guaranty Trust Co, Mozi

Houston Imports

TAPIOCA FLOUR—547 bgs, Stein, Hall & Co, Sourabaya

Jacksonville Imports

TAPIOCA FLOUR—355 bgs, Cheribon

Los Angeles Imports

AGAR—40 lbs, Kobe
APRICOT KERNELS—800 lbs, Shanghai
CANARY SEED—44,250 lbs, Buenos Aires
CASSIA—6,670 lbs, Shanghai
CASTOR BEANS—28,950 lbs, San Salvador
CHILLIES—4,300 lbs, Kobe
10,000 lbs, Kobe
CLOVES—33,050 lbs, D E I
COALTAR PROD—3 lbs, Kobe
COCONUT, DESIC—24,600 lbs, Manila
20,000 lbs, Davao
35,200 lbs, Manila
CROCIDOLITE ORE—1,050 lbs, Cape Town
CUMIN SEED—27,560 lbs, Casablanca
DRUGS, ADVANCED—80 lbs, Hongkong
FERTILIZER—20,000 bgs, 2,000,000 lbs, Keijo
FISH LIVERS—20 lbs, Tsuruga
GLASS, SHEET—5 cs, 2,970 lbs, Budapest
GUM, COPAL—11,200 lbs, Macassar
4,400 lbs, Macassar
INSECTICIDE, POWD—50 lbs, Kobe
IRON OXIDE—22,050 lbs, Malaga
27,550 lbs, Malaga
MACE—3,310 lbs, Sourabaya
1,320 lbs, Sourabaya
MATCHES—3,750 lbs, Hongkong
MEDICINAL PREPS—550 lbs, Yokohama
10 lbs, Kobe
410 lbs, Yokohama
MINERALS, CRUDE—1,480 lbs, Rio Janeiro
MUSTARD SEED—16,630 lbs, Tientsin
NUTMEGS—5,830 lbs, D E I
14,110 lbs, D E I
OIL, EUCALYPTUS—1,310 lbs, Melbourne
MINERAL—70 pkgs, 34,020 lbs, Antwerp
RAPESEED—80,000 lbs, Nagoya
PAPRIKA—5,000 lbs, Budapest
16,850 lbs, Budapest
PARAFFIN—235,200 lbs, Balik Papan
PEANUT MEAL—100,000 lbs, Tsingtao
80,000 lbs, Tsingtao
POTASH, CAUSTIC—10,010 lbs, Berlin
METABISULPHITE—6,610 lbs, Hamburg
PYRETHRUM FLOWERS—11,200 lbs, Kobe
RAPESEED—180,000 lbs, Tokyo
RICE FLOUR—500 lbs, Yokohama
SAGE LEAVES—17,060 lbs, Dubrovnik
SESAME SEED—223,990 lbs, Kobe
50 lbs, Yokohama
7,000 lbs, Hongkong
730 lbs, Kobe
400 lbs, Hongkong
SOAP—190 lbs, Hague
TOILET PREPS—410 lbs, Yokohama
30 lbs, Kobe
557 lbs, Yokohama
90 lbs, Tokio
WAX, CARNAUBA—1,590 lbs, Fortaleza
6,550 lbs, Ceara
SPERMACETI—1,500 lbs, Glasgow
2,400 lbs, Glasgow

Mobile Imports

TAPIOCA FLOUR—821 bgs, Stein, Hall & Co, Sourabaya
745 bgs, Stein, Hall & Co, Batavia

New Orleans Imports

TAPIOCA FLOUR—4,466 bgs, Stein, Hall & Co, Sourabaya

Norfolk Imports

TAPIOCA FLOUR—4,207 bgs, Stein, Hall & Co, Sourabaya
502 bgs, Stein, Hall & Co, Sourabaya
2,311 bgs, Stein, Hall & Co, Cheribon
3,155 bgs, Stein, Hall & Co, Batavia
525 bgs, Batavia

Panama City Imports

TAPIOCA FLOUR—250 bgs, G W Rueff Co, Cheribon
488 bgs, G W Rueff Co, Batavia

Philadelphia Imports

ACID, NAPHTHENIC—150 dms, Product Trading Corp, Constanza
ASBESTOS, CRUDE—4,334 bgs, Allen, Wack & Shepherd, Ld., Beira
BAUXITE ORE—2,000 tons, General Chemical Co, Georgetown
CASSIA—100 bls, Melton National Bank, Hongkong
CHROME ORE—3,000 tons, Benguet Consolidated Mining Co, Masinloc Zimbales
2,200 tons, E J Lavino, Pastelillo
A quantity, Beira
COCOA BEANS—9,000 bgs, Bahia
COCONUTS—125 bgs, Universal Import & Export Co, Mayaguez
16 bgs, Freeman, Inc., Mayaguez
105 bgs, 32 bgs, Starr Produce Co, San Juan
68 bgs, Simon & French, San Juan
161 bgs, San Juan
GREAVES, SWEEPINGS—343 cakes, Buenos Aires
3 bgs, Buenos Aires
LICORICE ROOT—4,986 bls, MacAndrews & Forbes, Izmir
MANGANESE ORE—8,550 tons, Takoradi
1,000 tons, E J Lavino, Bahia
MOLASSES—818,469 gls, Tanamo
525,312 gls, Bufadero
1,422,188 gls, Matanzas
MANGROVE BARK—2,025 bgs, Allen, Wack & Shepherd, Ltd., Beira
OIL, FUEL—86,871 bbls, Atlantic Refining Co, Curacao
RAPESEED—306 tons, Nagoya
PAINT—53 ctns, French Wolf Paint Products, Mayaguez
PETROLEUM, CRUDE—30,000 bbls, Gulf Oil Corp, Puerto La Cruz
POPPYSEED—57 bgs, R T French Co, Istanbul
PYRITES ORE—831,540 kilos, Pyrites Co, Huelva
QUEBRACHO EXTRACT—4,408 bgs, American Tanners, Ltd, Buenos Aires
RED OXIDE—1,028 gls, F B Vandegrift & Co, Malaga
SESAME SEED—150 bgs, W Young & Co, Hongkong
50 bgs, Hongkong
31 bgs, R T French Co, Istanbul
TANKAGE—1,772 cakes, Buenos Aires
66 bgs, Buenos Aires
TAPIOCA FLOUR—164, bgs, 59 cs, National City Bank, Sourabaya
1,030 bgs, Gamanoehan
WAX, CARNAUBA—250 bgs, Philadelphia National Bank, Parnahyba
28 bgs, Brown Bros Harriman & Co, Ceara
WATTLE BARK—1,207 bls, Tannin Corp, Mombasa

Savannah Imports

TAPIOCA FLOUR—1,002 bgs, Strachan Shipping Co, Samarang
1,286 bgs, Strachan Shipping Co, Batavia

Exports from U.S. Ports

Los Angeles Exports

ACETONE—10 dms, 3,580 lbs, Manila; 80 dms, 28,640 lbs, Manzanillo
ACID, BORIC—2,600 kgs, 286,000 lbs, China
CITRIC—220 lbs, Yokohama
MURIATIC—110 lbs, Amapala
SULPHURIC—2,400 lbs, Barranquilla
AMMONIA—70 lbs, Manila
ANHYDROUS—1,200 lbs, Hongkong
ASPHALT, GILSONITE—603 bgs, 120,320 lbs, Havre
LIQUID—10 dms, 4,410 lbs, Panama; 79 pkgs, 4,150 lbs, Manila
SOLID—20 dms, 10,310 lbs, Manila
BARYTES—100,000 lbs, Manila
BLACK, CARBON—51,560 lbs, Shanghai/Hongkong; 14,060 lbs, Shanghai; 62,260 lbs, Hongkong
BLEACHING LIQUID—720 lbs, Manila
BLUE VITRIOL—1,000 lbs, San Jose
BONE ASH—52,500 lbs, Manila; 5,600 lbs, Iloilo; 800 lbs, Corinto
BORATE—3,560 bgs, 690,850 lbs, London
BORAX—3,572 bgs, 400,060 lbs, London; 500 bgs, 56,000 lbs, Hongkong; 2,295 bgs, 257,040 lbs, Gothenburg; 3 ctns, 90 lbs, Manila; 7,000 kgs, 784,000 lbs, Havre; 10 kgs, 1,000 lbs, Manila; 224 cs, 22,400 lbs, Beira; 1,200 cs, 120,000 lbs, Lourenco Marques
GLASS—22 cs, 2,200 lbs, Medellin; 13 cs, 1,300 lbs, La Union
CALCIMINE—1,000 lbs, Manila
CALCIUM CARBIDE—8,600 lbs, La Union
CHEMICALS—120 lbs, Hongkong; 1,240 lbs, Manila; 170 lbs, Hongkong; 110 lbs, Gaudalajara; 100 lbs, Amapala
CHLORINE, LIQ—6 cyls, 600 lbs, Hongkong; 200 cyls, 30,000 lbs, Shanghai
CHLOROFORM—500 lbs, Hongkong
CLEANER—170 lbs, Shanghai; 300 lbs, Manila
COALTAR—1,500 lbs, Guatemala; 1,500 lbs, Puntarenas
INTERMEDIATES—280 lbs, Shanghai
PRODUCTS—5,510 lbs, Kobe; 4,580 lbs, Hongkong, 330 lbs, Manila
COCOA BUTTER—8,100 lbs, Shanghai; 2,470 lbs, Shanghai; 240 lbs, Tokio; 360 lbs, Kobe
DENTIFRICES—380 lbs, Shanghai, 1,170 lbs, Hongkong
DEODORANT—530 lbs, Manila
DIATOMACEOUS EARTH—875 bgs, 89,600 lbs, Liverpool; 600 bgs, 80,000 lbs, Havana; 6 bgs, 240 lbs, London; 44 bgs, 4,400 lbs, Capetown; 60 bgs ,6,000 lbs, Panama City; 21 bgs, 2,080 lbs, Barranquilla; 3,000 bgs, 300,000 lbs, Havana
DISINFECTANT—1,500 lbs, Hongkong
EPSOM SALT—2,200 lbs, Manila
ETHER—900 lbs, Hongkong
FERTILIZER—140 lbs, Manila; 99,900 lbs, Puntarenas
FILTER PAPER—430 lbs, Manila
GASOLINE—1,080 dms, Manila; 17,200 bbls, Curacao; 3,150 dms, Puntarenas; 150 dms, Tegucigalpa
GELATIN—300 lbs, Hongkong
GINSENG—5,450 lbs, Hongkong; 6,110 lbs, Hongkong
FIBER—500 lbs, Hongkong
GLASS, PLATE—3,520 lbs, Manila
GLUCOSE—900 lbs, Hongkong
GLUE—560 lbs, Manila
GLYCERIN—170 lbs, Hongkong; 1 dm, 580 lbs, Sa Jose de Guatemala
GUM, COPAL—160 lbs, Manzanillo
DAMMAR—410 lbs, Manzanillo
HYDROGEN PEROXIDE—140 lbs, Hongkong
INK, PRINTING—220 lbs, Shanghai; 14,750 lbs, Hongkong
WRITING—2,820 lbs, Shanghai
JAPAN DRIER—1,800 lbs, Manild
KEROSENE—99 dms, 35,630 lbs, Haiphong; 3,000 cs, Manila
DISTILLATE—8,437 bbls, Yokohama; 5,638 bbls, Hongkong
LACQUER—880 lbs, Hongkong; 880 lbs, Hongkong
18,530 lbs, Durban; 1,300 lbs, Manila
REMOVER—40 lbs, Hongkong
THINNER—30,960 lbs, Durban
LEAD, RED—4,800 lbs, Hongkong; 3,000 lbs, Manila; 200 lbs, Amapala
LINING COMP—126,520 lbs, Yokohama; 140 dms, 69,240 lbs, Kobe; 12,770 lbs, Hongkong
LITHARGE—4,800 lbs, Hongkong; 3,000 lbs, Manila
MAGNESIA SILICATE—1,100 lbs, Barranquilla
MEDICINAL PREPS—100 lbs, Manila; 1,430 lbs, Shanghai; 800 lbs, Shanghai; 2,950 lbs, Manila
METHYLETHYL KETONE—200 dms, 69,600 lbs, Liverpool
NITROUS OXIDE—8 cyls, 30 lbs, Manila
OIL, CASTOR—5,770 lbs, Shanghai
COCONUT—228,250 lbs, Gothenburg; 10,500 lbs, Crinto
COOKING—540 lbs, Iloilo
COTTONSEED—1,930 lbs, Manila
DIESEL—71,145 bbls, Yokohama; 2118 bbls, Manila; 25 dms, Puntarenas
FUEL—4,508 bbls, Quepos; 58,575 bbls, Cristobal; 12,000 bbls, Manila
LECITHIN—100 lbs, Shanghai
LEMON—770 lbs, Paris
LINSEED—40 dms, 16,000 lbs, Manila; 1,500 lbs, Puntarenas; 170 lbs, Amapalla
LUBRICATING—57 cs, 5,790 lbs, Manila; 10 dms; Saigon; 35 tanks, Haiphong; 116 tanks, Saigon; 300 dms, 86 tanks, Manila; 12 dms, Panama City; 7 dms, Corinto
OLEO—4,570 lbs, Manila
OLIVE—3,570 lbs, San Jose de Guatemala
PAINT—2,000 lbs, Stockholm
PALM, HARDENED—496,400 lbs, Gothenburg
OXYGEN—30 lbs, Manila
PAINT—5,930 lbs, Hongkong; 15,570 lbs, Manila; 21,570 lbs, Manila; 1,570 lbs, Durban; 2,250 lbs, Hongkong; 1,590 lbs, Puntarenas
DRIER—1,080 lbs, Puntarenas
LIQUID—1,440 lbs, Panama; 4,500 lbs, Manila
PASTE—3,800 lbs, Tokio
REMOVER—90 lbs, Manila
THINNER—360 lbs, Manila
PARAFFIN—11,200 lbs, Acajutla; 11,200 lbs, La Union; 22,400 lbs, La Libertad; 126,000 lbs, Puntarenas
PECTIN, CITROUS—4,100 lbs, London; 600 lbs, Gothenburg; 1,180 lbs, Copenhagen; 500 lbs, Paris; 400 lbs, Durban; 600 lbs, Capetown
PEPPER, BLACK—890 lbs, Corinto
PETROLATUM, MED—1,500 lbs, Hongkong; 120 cs, 8,400 lbs, Rangoon
PETROLEUM, CRUDE—84,695 bbls, Yokohama; 86,540 bbls, Tokuyama; 17,027 bbls, Gensan
PHARMACEUTICAL PREPS — 3,750 lbs, Hongkong
PINETAR—80 lbs, Guatemala
POLISH—110 lbs, Manila; 4,660 lbs, Manila
POTASH XANTHATE—20,000 lbs, Manila
PUTTY—840 lbs, Manila; 1,510 lbs, Manila; 1,600 lbs, Puntarenas
SALT—1,390 lbs, Manila; 3,150 lbs, Manila
SHELLAC—25 bgs, 4,100 lbs, Manzanillo
LIQUID—370 lbs, Hongkong
SOAP—510 lbs, Manila
LAUNDRY—43,440 lbs, Gothenburg
LIQUID—500 lbs, Manila
SODA ASH—110,200 lbs, Gothenburg
BICARBONATE—1,100 lbs, Barranquilla; 4,000 lbs, Corinto
CAUSTIC—2,350 lbs, Manila
SILICATE—100,050 lbs, Manila; 300 lbs, Hongkong
SULPHATE, ANHYD—2,000 lbs, Acajutla
STEARIN, COTTONSEED—2,000 lbs, Havana
WAX—102,020 lbs, Manila
SULPHUR FLOWERS—2,000 lbs, San Jose de Guatemala
TALC—50 bgs, 5,600 lbs, Bogota; 20 bgs, 2,240 lbs, Corinto
TALLOW—44,430 lbs, Guatemala City; 21,230 lbs, Amapala
TAPIOCA—360 lbs, Manila
TOILET PREPS—130 lbs, Shanghai; 720 lbs, Shanghai; 2,200 lbs, Hongkong; 240 lbs, Manila; 160 lbs, Aruba; 3,740 lbs, Paris; 900 lbs, Manila; 11,860 lbs, Manila; 420 lbs, Managua; 220 lbs, Cristobal; 1,410 lbs, Medellin; 690 lbs, Kingston
TURPENTINE—880 lbs, Manila
VARNISH—1,050 lbs, Shanghai; 1,030 lbs, Hongkong; 320 lbs, Manila; 760 lbs, Manila; 310 lbs, Manila; 4,860 lbs, Manila
WAX, WATER-SOLUBLE—1,100 lbs, London
ZINC DUST—3,000 lbs, La Union
SULPHATE—4,000 lbs, Hongkong

New Orleans Exports

ASPHALT—199 tons, Puerto Barrios
CLAY—13 tons, Cristobal
EPSOM SALT—20 tons, Vera Cruz
FIRECLAY—20 tons, Barranquilla
GASOLINE—56 tons, Puerto Barrios
HOPS—60 tons, Vera Cruz
LARD—84 tons, Santiago; 34 tons, Cartagena; 57 tons, Barranquilla; 30 tons, Puntarenas; 22 tons, Puerto Limon; 12 tons, Havana; 6 tons, Vera Cruz
OIL, DIESEL—600 bbls, Ceiba
FUEL—19 tons, Puerto Cortez; 65 tons, Quepos; 1,500 bbls, Ceiba; 40 tons, Puerto Cabezas
LUBRICATING—4 tons, Puerto Cabezas
PALM—33 tons, Ceiba
SALT—39 tons, Havana
TANNING EXTRACT—24 tons, Vera Cruz

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—27,665 bbls, San Diego; 62,552 bbls, Richmond; 68,352 bbls, Portland; 10,827 bbls, San Diego; 12,768 bbls, Oleum; 61,239 bbls, San Francisco; 3,972 bbls, San Diego; 973 bbls, San Diego; 3,640 bbls, San Diego; 52,731 bbls, Seattle; 20,815 bbls, Seattle
KEROSENE—19,321 bbls, Oleum
OIL, DIESEL—3,162 bbls, San Diego; 8,172 bbls, Richmond; 3,970 bbls, Portland; 20,357 bbls, San Francisco; 1,459 bbls, San Diego; 20,334 bbls, Seattle; 59,276 bbls, Seattle
FUEL—67,890 bbls, Portland; 5,986 bbls, Richmond; 102,670 bbls, Richmond; 2,355 bbls, Portland; 48,357 bbls, San Francisco; 49,800 bbls, Bremerton; 1,850 bbls, Seattle; 39,438 bbls, Avon
FURNACE—4,917 bbls, Richmond; 5,943 bbls, Seattle; 6,908 bbls, Avon

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regula-

tions, included the following articles for the reason stated:—

New York

Week Ended January 17

Cassia oil, 27 drums; not U.S.P.

Chlorophyl, 1 drum; restricted use.

Cocoa beans, 350 bags; moldy.

Cod oil, 200 drums; restricted use.

Eucalyptus oil, 20 drums; restricted use.

Fennel seed, 60 bags; contains excreta.

Flavoring powder, 10 cases; false and misleading statements.

Gelatin, 119 bags; restricted use.

Ginger, 2 cases; false and misleading statements.

Liver extract, 1 parcel; not U.S.P.

Medicinal preparations, 9 cases; false and misleading statements.

Medicinal preparations, 1 parcel; new drug.

Medicinal preparations, 1 parcel; new drug; false and misleading statements.

Medicinal preparations, 1 case; new drug; deficient in iodine.

Medicinal preparations, 1 case; dangerous drug.

Medicinal preparations, 1 case; false and misleading statements; dangerous drug.

Mustard seed, 300 bags; water damaged.

Baltimore

Week Ended January 17

Medicinal preparation, 1 case; inconspicuous quantity of contents statement; no statement of active ingredients.

Medicinal preparation, 1 case; new drug; dangerous drug.

Boston

Week Ended January 17

Cod oil, 675 casks; restricted use.

Denver

Week Ended January 11

Medicinal, 10 pieces; false therapeutic claims.

Los Angeles

Week Ended January 11

Hair oil, 432 pieces; false and misleading statements.

Medicinal, 50 pieces; false therapeutic claims.

San Francisco

Week Ended January 11

Hair dye, 8 pieces; poisonous substance and no caution statement.

Medicinals, 59 pieces; false therapeutic claims.

Medicinals, 3 pieces; false therapeutic claims; new drug.

Seattle

Week Ended January 11

Codliver oil, 450 gallons; not U.S.P. in color and strength.

Sesame seed, 185 bags; filthy.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Acetone:—Zurich, Switzerland; purchase (5825).

Ammonia Sulphate:—Lima, Peru; agency (5840).

Aniline Dyes:—Cairo, Egypt; agency (5828).

Black, Carbon:—Asnieres, France; agency (5830).

Calcium Chloride:—Buenos Aires, Argentina; agency (5827).

Chemicals, Battery:—Calcutta, India; agency (5831).

Chemicals, Fine:—Padang, Sumatra; purchase (5838).

Chemicals, Industrial:—Cairo, Egypt; agency (5921).

Chemicals, Industrial:—Bombay, India; purchase (5832).

Chemicals, Industrial:—Bombay, India; agency (5834).

Chemicals, Industrial:—Buenos Aires, Argentina; agency (5827).

Chemicals, Laboratory:—Tel-Aviv, Palestine; purchase (5839).

Colors, Tile:—Melbourne, Australia; purchase and agency (5915).

Cosmetics:—Alexandria, Egypt; agency (5896).

Dyes, Worsted:—Saltillo, Mexico; purchase (5917).

Fertilizers:—Cairo, Egypt; agency (5898).

Fertilizers:—Cairo, Egypt; agency (5828).

Formic Acid:—Singapore, Straits Settlement; purchase (5841).

Glue, Hide:—Bombay, India; purchase (5832).

Hydrogen Peroxide:—Buenos Aires, Argentina; agency (5827).

Inks, Printing:—Hanoi, French Indo-China; purchase (5886).

Inks, Printing:—Alexandria, Egypt; agency (5896).

Inks, Printing:—Cairo, Egypt; agency (5828).

Oils, Essential:—Cairo, Egypt; agency (5883).

Oils, Medicinal:—Cairo, Egypt; agency (5828).

Naphthenic acid:—Malmo, Sweden; purchase (5679).

Naphthalene, Flake:—Aden, Arabia; purchase and agency (5845).

Naphthalene:—Cairo, Egypt; purchase and agency (5829).

Paint materials:—Port Elizabeth, South Africa; purchase (5551).

Paints and Varnishes:—Cairo, Egypt; agency (5828).

Oils, Fats and Waxes

Fatty Acids

—Continued from page 43

the absence of wide changes in basic material. Makers of soaps and soap bases were fair buyers.

Palm Oil.—Market stronger owing to smallness of supplies and increased cost of palm oil. Quotations on fatty acid advanced ½c.

Red Oil.—Tone steady. No broadening of trade but somewhat larger movement of moderate quantities to makers of products used in the textile industry.

Stearic Acid.—An easier market for raw material found no reflection in stearic acid, quotations generally being held at previous levels. Business lacked snap, but there was a fair request for moderate quantities.

Chicago, Jan. 19.—Fatty acids were generally in fair demand, with prices ruling around the levels in effect for some time past.

RED OIL.—Distilled or saponified, drums, 8½c. to 9½c. per pound; tanks, 8c. per pound.

STEARIC ACID.—Distilled, single press, 11½c. to 12½c. per pound; double press, 12c. to 13c.; triple press, 14¾c. to 15¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tanks; 9½c. to 9¾c., barrels, car lots; coconut oil, acidulated, 10c. to 10¼c. per pound, tankcar; 10½c. to 10¾c., barrels, car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 1¾c. to 1⅞c.

Fish Oils

Menhaden.—A steady tone continued to prevail in the local market for refined oil, selling schedules being maintained at previous levels, with the tone of the market apparently firm. Purchasing was generally limited to comparatively small quantities, the movement of such lots being fair.

Sardine.—Local quotations on refined oil were stationary, the tone of the market being steady. A fair inquiry was noted for small or moderate quantities for prompt shipment.

Sperm.—Business lacked snap, but there were reports of a somewhat better request for moderate lots to fill the current needs of consumers. Tone firm.

Whale.—Business in refined oil was fairly active, although consumers showed little disposition to purchase in advance of current needs. Prices steady.

Markets at Other Centers

San Francisco, Jan. 17.—With the exception of some two or three plants that apparently have a total of about 10,000 tons of fish to process, the sardine season in San Francisco Bay ended for the season, the State Fish and Game Commission having met and decided there would be no further open reduction permits issued. Monterey and Southern California factories will continue to operate until their quotas are exhausted, and it was revealed that approximately 17,000 tons remain on the schedules at Monterey, while Southern California will be able to take in 95,000 tons on quotas. Further sales were noted at 37c. per gallon; an estimate would place the quantity at some 10 tankcars, while the majority of sellers were either unable to offer or had ideas of 38c.

The California Fish and Game Commission reported today that during December 5,521,206 gallons were produced in all districts, which brought the seasonal total to December 31 to 15,575,088 gallons, or approximately 1,950 tankcars, compared to a grand seasonal total of 15,502,057 gallons for all last year.

For the week ending January 12, California Sardine Products Institute reported a total of 11,658 tons of fish turned in, bringing the season's tonnage to that date to 446,337 tons, as compared to 402,355 tons last year.

Baltimore, Jan. 17.—Some of the menhaden vessels that operate off the coast of North Carolina continue at work, with very modest results, but their efforts will probably end soon. Factories have been able to fill contracts and even manage to have a tank or two left over. The prices named have varied, but they are not as low as some members of the trade have represented them to be, and the expectations entertained by North Carolina producers of around 35 cents per gallon are not extravagant.

Fats and Greases

Grease.—Quotations underwent little change during the week, lack of demand of importance being offset by smallness of supplies of spot material. Prices appeared to be mainly nominal.

CHICAGO, Jan. 19.—Choice white grease, tierces, 5c. to 5¼c. per pound; A white, 5c. to 5⅛c.; B white, 4⅞c. to 5c.; yellow, 16-20, 4¾c. to 5c.; yellow, 10-16, 4¾c. to 5c.; brown, 4⅝c. to 4¾c.

Lard.—Local cash quotations were irregular, changes being moderate in the absence of wide fluctuations in futures in Chicago, where speculative operations were on a smaller scale. Domestic trade fair. Export movement somewhat larger.

CHICAGO, Jan. 19.—Further additions to the heavy lard stocks did not have much effect upon the market. Shipping trade fair. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing Jan. 19.	Closing Jan. 12.
Cash	$6.30	$5.82	$6.30	$5.82
May	6.72	6.30	6.65	6.35
July	6.90	6.50	6.85	6.52

Stearin.—Demand was rather quiet much of the time, but there was no increase in offerings, and prices were generally maintained at former levels.

CHICAGO, Jan. 19.—Prime oleo stearin, barrels, 6½c. to 6¾c. per pound; lard, packaged, 6¼c. to 6½c.; white grease, 5½c. to 5¾c.; yellow grease, 5¼c. to 5½c.; oleo stocks, 8½c. to 9c.; No. 2 stocks, 8c. to 8½c.

Tallow.—An easier tone developed as offerings were somewhat freer. Sales of moderate quantity were reported for prompt shipment at 5⅜c. per pound, delivered, a decline of ⅛c. as compared with the last previous transactions. Bids for March delivery were reported in the market at 5½c.

CHICAGO, Jan. 19.—Edible tallow, tierces, 5⅜c. to 5½c. per pound; prime, 5¼c. to 5½c.; fancy, 5¼c. to 5⅜c.; special, 5c. to 5⅛c.; No. 1, 4⅞c. to 5c.

There was no trading in tallow futures on the New York Produce Exchange from January 13 to January 19, inclusive. Following is a price record for the week:—

	Cents per pound in tanks — High.	Low.	Close.
March	...	...	5.35 bid
May	...	...	5.40 bid

Animal Oils

Lard.—The market here was easier with raw material, quotations being shaded ¼c. to ½c. per pound. Fair request for comparatively small quantities for prompt shipment.

CHICAGO, Jan. 19.—Lard oil, No. 1, 8¾c. to 9c. per pound.

Neatsfoot.—Quotations were unchanged to ½c. per pound lower. Business lacked snap, but there was a fair request for small or moderate lots.

Oleo.—Consumers were not disposed to anticipate, but a somewhat better call was noted for moderate quantities. Quotations were reduced ⅛c.

CHICAGO, Jan. 19.—Prime oleo oil, 8c. to 8¼c. per pound.

Tallow.—The market was easier with basic material, prices being reduced ⅜c. per pound. Business quiet.

CHICAGO, Jan. 19.—Acidless tallow oil, 8¼c. to 8½c. per pound, tanks.

Cottonseed Crushings Smaller

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held, from August 1 to December 31, 1939, and 1938, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed, and Held

	Received at mills* Aug. 1 to Dec. 31. 1939.	1938.	Crushed Aug. 1 to Dec. 31. 1939.	1938.	On hand at mills Dec. 31. 1939.	1938.
	Tons					
United States	3,580,735	3,657,889	2,539,426	2,621,914	1,161,965	1,368,585
Alabama	166,114	237,230	143,833	195,057	33,196	54,134
Arizona	74,197	67,180	41,241	35,117	35,580	34,554
Arkansas	429,735	433,446	262,859	273,197	170,951	180,471
California	156,320	135,682	70,784	88,289	90,409	69,107
Georgia	291,163	248,872	231,559	204,636	73,795	59,530
Louisiana	190,386	159,746	150,186	135,820	40,747	29,808
Mississippi	568,047	606,254	377,167	365,362	212,673	282,690
North Carolina	140,389	118,964	106,851	103,875	34,787	22,884
Oklahoma	141,348	172,186	117,298	130,379	24,847	45,277
South Carolina	172,535	124,110	148,009	115,778	25,426	9,884
Tennessee	323,014	338,307	183,260	200,981	142,690	149,936
Texas	823,703	919,790	654,973	713,150	223,798	388,713
All other states	103,784	96,122	51,406	60,073	53,056	41,597

* Includes 4,508 tons seed destroyed at mills in 1938, but not 120,626 and 337,118 on hand August 1, nor 14,690 and 15,208 reshipped for 1939 and 1938, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand Aug. 1.	Produced Aug. 1 to Dec. 31.	Shipped out Aug. 1 to Dec. 31.	On hand Dec. 31.
Crude oil, pounds—				
1939-1940	*72,066,763	789,721,866	774,977,031	*181,234,819
1938-1939	33,833,717	809,090,477	714,720,127	175,464,445
Refined oil, pounds—				
1939-1940	†360,035,317	‡632,178,357	.....	†353,176,074
1938-1939	487,927,952	615,178,241	.....	565,309,208
Cake and meal, tons—				
1939-1940	119,718	1,138,016	1,037,940	219,794
1938-1939	214,611	1,173,940	1,075,741	312,810
Hulls, tons—				
1939-1940	77,087	642,956	553,715	166,328
1938-1939	133,153	678,594	630,725	181,022
Linters, running bales—				
1939-1940	479,316	630,328	765,122	344,522
1938-1939	457,464	635,768	557,785	535,447
Hull fiber, 500-pound bales—				
1939-1940	24,931	17,589	29,145	13,375
1938-1939	30,534	21,615	20,968	31,181
Grabbots, motes, etc., 500-lb. bales—				
1939-1940	30,642	27,846	31,872	26,616
1938-1939	36,592	31,570	26,631	41,531

* Includes 5,986,685 and 79,636,256 pounds held by refining and manufacturing establishments and 13,594,470 and 34,368,120 pounds in transit to refiners and consumers August 1, 1939, and December 31, 1939, respectively.

† Includes 13,471,938 and 9,583,996 pounds held by refiners, brokers, agents and warehousemen at places other than refineries and manufacturing establishments and 3,292,550 and 6,414,717 pounds in transit to manufacturers of shortening, oleomargarine, soap, etc., August 1, 1939, and December 31, 1939, respectively.

‡ Produced from 668,740,760 pounds of crude oil.

Exports and Imports for Four Months Ended Nov. 30

	1939.	1938.
Exports—		
Oil, crude, pounds	3,087,471	87,620
Oil, refined, pounds	5,858,681	1,392,438
Cake and meal, tons of 2,000 pounds	5,731	8,907
Linters, running bales	108,130	78,928
Imports—	.....	.....
Oil, crude, pounds	*3,457,789	28,008,291
Oil, refined, pounds	328	438
Cake and meal, tons of 2,000 pounds	20,283	15,475
Linters, bales of 500 pounds		

* Amounts for December not included above are 550,000 pounds refined, "entered direct for consumption," 90,808 refined, "withdrawn from warehouse for consumption," and 2,892,906 refined, "entered direct into warehouse."

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

CINCINNATI FIRM established over twenty years and covering the State of Ohio and also Louisville, Kentucky, would be interested in representing A-1 producers of oils, pigments, chemicals and other raw materials. BOX 671, Oil, Paint and Drug Reporter.

BOSTON REPRESENTATION wanted for first-class concern making lard, neatsfoot, red and associated oils for textile and industrial interests. Highest bank and business references; long experience includes executive and sales management. Commission or retainer fee. BOX 679, Oil, Paint and Drug Reporter.

NEW ENGLAND manufacturers' representative covering the paint and varnish, lacquer, leather and paper trades would consider additional accounts. BOX 689, Oil, Paint and Drug Reporter.

Agents Wanted

AGENTS:—Active, well established, desired by importer-exporter of water soluble gums (arabic, karaya, tragacanth, etc.), shellacs, tanning materials. Several important territories now available. Write promptly, sending full details. BOX 686, Oil, Paint and Drug Reporter.

Capital Offered

IF COLOR manufacturer wants capital, am willing to listen to any proposition. Know the business. BOX 659, Oil, Paint and Drug Reporter.

Capital Wanted

HAVE OPPORTUNITY to secure distribution of a special paint—a real money-maker. Need additional capital to do a thorough job. BOX 684, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

PEBBLE MILLS; 1 and 4 gal. jar mills; 18-in. Day mushroom mill; 300-gal. rubber-lined vacuum kettle; 300 and 3,500-gal. aluminum stills, direct fired; 15 HP economic boiler. Lawler Engineering Company, Durham avenue and L. V. R. R., Metuchen, N. J.

Equipment Offered

FOR SALE—65 one-ton S.O. 2 cylinders, also 2 cradle cars; all in first-class condition. BOX 690, Oil, Paint and Drug Reporter.

FOR SALE:—Two Abbe Eureka jar mills, motor driven, 5 and 15 gallons; Gruendler No. 2 master pulverizer, with continuous discharge conveyor; copper, aluminum kettles from 10 to 250 gallons; filter presses, 12 in. to 36 in. square; bottle and tube filling equipment; glass-lined tanks; powder mixers, 50 pounds to 2,000 pounds; Tolhurst centrifugals, 32 in. to 40 in.; partial listing only. Send for complete bulletins. Brill Equipment Corp., 183 Varick street, New York City.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 656, Oil, Paint and Drug Reporter.

WANTED:—Second-hand Dopp 150-gallon, steam jacketed agitated kettle having 4-in. bottom outlet, complete with legs and loose fitting cover. Kettle to be equipped with pulley drive, style "D" double motion bridge type agitator. BOX 691, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, 20,000 sq. ft., high ceiling, elevator, sprinkler system, railroad siding, live steam available 24 hours a day; unrestricted district downtown Brooklyn; low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Investment Wanted

HAVE OFFICE in New York City and small plant in New Jersey suitable for manufacturing or packaging chemicals or allied products. Also have idle capital. Open for propositions that could use part or all of these facilities. References exchanged. BOX 683, Oil, Paint and Drug Reporter.

Materials Offered

QUANTITY OF methyl methacrylate monomer for sale. BOX 676, Oil, Paint and Drug Reporter.

Materials Offered

ONE HUNDRED GALLONS methyl methacrylate monomer; 500 pounds calcium sulphide luminescent; 2,000 pounds sodium azode; 200 pounds beryllium oxide; 2,000 pounds titanium carbide; 25 pounds arsenic metal; 500 pounds tungsten metal powder. BOX 681, Oil, Paint and Drug Reporter.

Positions Vacant

TABLET MAN, experienced; must be registered pharmacist; to take charge of department; plant located in New Jersey. State full particulars. BOX 672, Oil, Paint and Drug Reporter.

SODIUM BICHROMATE chemist wanted. New producer wants experienced chemist to assist in taking full charge in the production of sodium bichromate. State experience and when available. Strictly confidential. BOX 687, Oil, Paint and Drug Reporter.

CHEMIST WANTED. Splendid opportunity for advancement with live organization for capable young man who has had practical experience in the manufacture of rubless wax polishes. Replies treated in confidence. BOX 688, Oil, Paint and Drug Reporter.

Positions Wanted

EXPERT SHADER—Would like to connect with reliable firm. First class reference, 18 years experience. Will locate anywhere. Can handle men and get production. Can shade anything in paints, enamels and flats. BOX 663, Oil, Paint and Drug Reporter.

OIL CHEMIST, over 3 years' experience; detailed analysis and examination animal and vegetable oils, shortening and nickel catalyst; working knowledge of refining and hydrogenation. Production or sales service preferable. Young, single; will locate anywhere or travel. BOX 668, Oil, Paint and Drug Reporter.

SALES EXECUTIVE-manager (pharmaceutical chemist); valuable background of national sales and salesmen's training, on industrials, pharmaceuticals, chemicals, surgicals, specialties; aggressive, of highest integrity, engaged, available shortly. Philadelphian, past 40. Salary or part ownership out of salary. Or take over going plant without immediate investment. BOX 677, Oil, Paint and Drug Reporter.

Positions Wanted

MAN, thirty-four, worked in all departments of paint industry for last seventeen years; can grind, shade house paints; have some experience in formulating. Willing to start at $25.00 per week. Can travel any place. In need of a job at present. BOX 678, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER with 20 years' experience sales promotion, advertising, direct mail and direct to consumer sales organizations; chemicals, paints, specialties and equipment; prefer New York location. BOX 680, Oil, Paint and Drug Reporter.

EXPORT EXECUTIVE, 38, single, large experience Latin America, perfect English, Spanish, German, excellent connections, capable organizing new export business, wants position. BOX 682, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, experienced in paint testing, formulating, varnish cooking, seeks position with progressive manufacturer; moderate salary requested. BOX 685, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stocks

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
12—Ball Mills, 10 gal. to 500 gal.
1—Stainless Steel 400 gal. Jacketed Tilting Kettle.
Many other attractive bargains.

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2—Nickel Vacuum Stills, 300 gal. with motor driven agitators.
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1—Zaremba Triple effect Evaporator, 2100 sq. ft. per effect.
1—Louisville 5 ft. x 20 ft. Steam Tube Dryer.
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Send for illustrated bulletin.

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Consolidated Products Co., Inc. 13-18 Park Row :: :: New York, N.Y.
SHOPS 335 Doremus Ave., Newark, N.J.

N.Y. City Sales Tax Barred on Bonded Oil

OPD Washington Bureau
January 15, 1940

The Supreme Court of the United States today refused to review a decision of the Court of Appeals of the State of New York ruling that the New York city 2-percent sales tax does not apply to the sale of oil manufactured in a bonded customs warehouse.

The city assessed the tax against the Gulf Oil Corporation on petroleum imported from Venezuela, refined in bond, and sold for fuel for ships in foreign commerce. The highest State court annulled the assessment as a burden on foreign commerce. The Federal supreme court agreed to consider the case December 4, but in a per curiam decision today stated that, in the absence of an explicit statement by the State court that it annulled the tax solely because of violation of the Federal constitution, it is unable to find that the decision did not rest on an adequate nonfederal ground.

Four other cases involving the application of the New York city sales tax are still pending before the supreme court.

Crude Oil Daily Output Up

Daily average gross crude oil production in the United States during the week ended January 13 was 3,592,200 barrels, an increase of 7,750 over the 3,584,450 in the preceding week, according to the American Petroleum Institute. A decrease of 17,800 barrels in the daily average output of Oklahoma was the most important change.

Stocks of finished and unfinished gasoline in the United States at the close of the week were 84,326,000 barrels, compared with 82,002,000 at the end of the previous week, a gain of 2,324,000. A year ago these stocks amounted to 74,694,000 barrels. Finished gasoline stocks increased 1,834,000 barrels, to 78,437,000, compared with 69,006,000 on January 13, 1939. Stocks of gas oil, distillates and residual fuel oil at refineries, in transit, in pipelines and at terminals at the end of last week were 135,038,000 barrels, against 137,430,000 at the close of preceding week and 152,225,000 a year ago.

Dow Co. to Pipe Gas Fifty-Five Miles to Plant

The Dow Chemical Company, Midland, Mich., plans the construction of a 55-mile pipe line from Temple, Clare county, Mich., to its plant for the transportation of natural gas. The Dow company plans to purchase residue gas from the O. H. Grimes Company, Tulsa, which company is now erecting a casinghead gasoline plant in Temple.

P. B. Thompson has been elected a director of the Cudahy Packing Company, Chicago, succeeding A. W. Ruff, who retired.

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NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Union Oil Company, Los Angeles, launched a 453-foot tanker, with a carrying capacity of 4,259,924 gallons, January 6, which had been constructed at the Bethlehem Shipbuilding Company, Baltimore.

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In these times of applied science, the use of chemicals evolves from the general to the particular . . . from their broad, basic employment to specific purposes.

If the knowledge in our definite field, accumulated for more than forty years, is of potential value to you, please write to us. Enquiries are received, studied, and their possibilities investigated in strictest confidence.

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Chloroform (Tech.)	60.0 to 61.5
Carbon Tetrachloride	76 2 to 77.0
Trichlorethylene	86.0 to 87.5
Perchlorethylene	120.0 to 122.0
Ethyl Chloride	12.2 to 12.6
Ethylene Dichloride	82.0 to 84.7
Beta-Trichlorethane	118.8 to 113.3
s-Tetrachlorethane	146.3
Pentachlorethane	161.9
Hexachlorethane	185 (sublimes)

Concise information about these products listed is given in the technical bulletin—send for a copy.

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E. I. DU PONT DE NEMOURS & COMPANY (INC)
The R. & H. Chemicals Department
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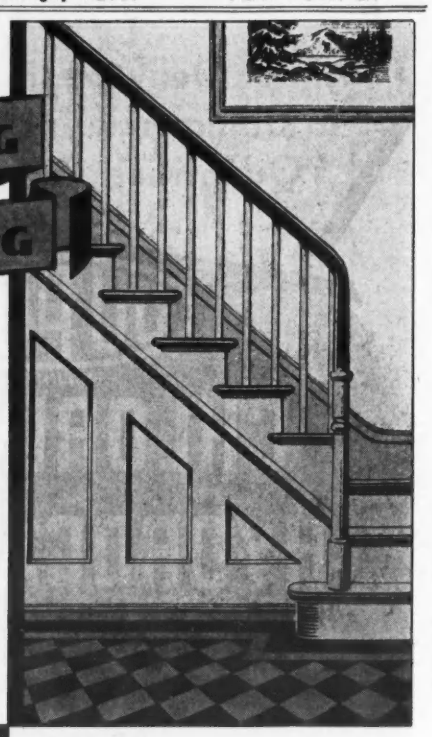
the brightness of inside trim paints pigmented with
MAPICO YELLOWS
LIGHT LEMON • LEMON • ORANGE • DARK ORANGE • DARK ORANGE SPECIAL



MAPICO Colors
PURE OXIDES OF IRON
YELLOWS
REDS
BROWNS
BLACK

MAPICO YELLOWS help the manufacturer to produce paint of high coverage and hiding in a variety of pleasing shades — without excessive cost. These pure oxides of iron are superior pigments — stronger, more brilliant and more uniform than earth colors and permanently unaffected by destructive elements. Moreover, even when blended with extender to produce a wide range of creams, ivories and buffs, they do not fade, and they preserve a fine glossy film. Why not try them?

ECONOMY—The high tinting strength of Mapico Yellows makes necessary only a small percentage of pigment with resulting economies.

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BINNEY & SMITH CO., Distributors
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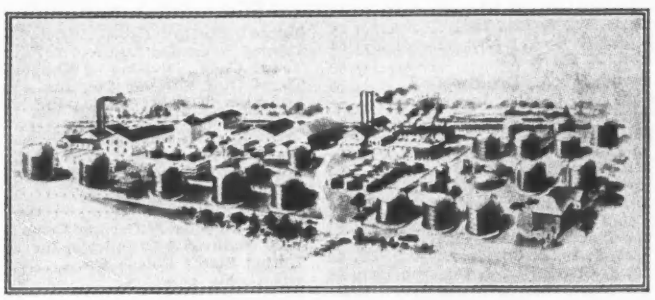
ELDROL U. S. P. MINERAL OILS are the finest to be refined from American Crude.

ELDROL PETROLATUMS are of the same high standard. Their uniformity, economy and convenience have long been recognized. Our wide distribution facilities insure prompt service and delivery.



We invite your inquiries

PENNSYLVANIA OIL PRODUCTS REFINING COMPANY
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